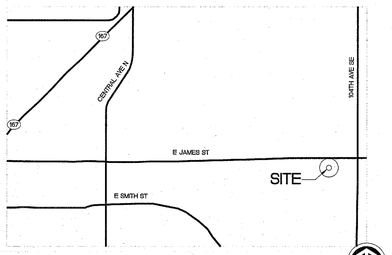
FRED MEYER STORES, INC.
KENT RETAIL STORE #000172 - REMODEL

PERMIT SET: DECEMBER 21, 2015

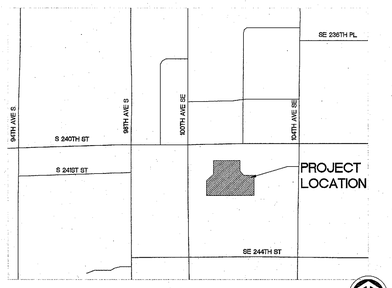
10201 SE 240TH STREET

KENT, WA 98031



VICINITY MAP

N.T.S.



LOCATION MAP

N.T.S.

ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	JST	JOIST
AB	ANCHOR BOLT	JNT	JOINT
AC	ACOUSTICAL CEILING	LAV	LAVATORY
ADJ	ADJACENT	LL	LIVE LOAD
AFF	ABOVE FINISH FLOOR	LOCK	LOCKER
ALT	ALTERNATE		
ALUM, AL	ALUMINUM		
ANOD	ANODIZED	MATL	MATERIAL
APPL	APPLIANCE	MAX	MAXIMUM
APPROX	APPROXIMATE	MB	METAL BASE
ARCH	ARCHITECT(URAL)	MECH	MECHANICAL
ASD	ARCHITECTURAL STANDARD DETAIL	M/E/P	MECH, ELECT, PLUMBING
		MFD	MANUFACTURED
		MFG	MANUFACTURING
B/	BOTTOM OF	MFR	MANUFACTURER
BD	BOARD	MIN	MINIMUM
BT	BASE TILE	MISC	MISCELLANEOUS
BTWN	BETWEEN	MK	MARK
BLDG	BUILDING	MO	MASONRY OPENING
BLK	BLOCK		
BLKG	BLOCKING	(N)	NEW
BOTT	BOTTOM	NIC	NOT IN CONTRACT
		NO./# NOM	NUMBER
CA	CARPET	NTS	NOT TO SCALE
CB	CEMENT BACKER BOARD		
CI	CAST IRON	OC	ON CENTER
CJ	CONTROL JOINT	OD	OUTSIDE DIAMETER
℄	CENTER LINE	OFOI	OWNER FURNISHED OWNER INSTALLED
CLG	CEILING		
CLR	CLEAR	OPP	OPPOSITE
CMU	CONCRETE MASONRY UNIT	O/S	OUTSIDE
CO	CLEAN OUT	OSF	OUTSIDE FACE
COL	COLUMN	OTS	OPEN TO STRUCTURE
CONC	CONCRETE		
COND	CONDITION	PA	PAINT
CONN	CONNECTION	PF	POLYMER FLOOR
CONST	CONSTRUCTION	PL	PLATE
CONT	CONTINUOUS	PLAM, PL	PLASTIC LAMINATE
CNTR	CENTER	PLYWD	PLYWOOD
CT	CERAMIC TILE	PVC	POLY VINYL CHLORIDE
		PT	PRESSURE TREATED
DBL	DOUBLE		
DET, DTL	DETAIL	R	RADIUS
DF	DRINKING FOUNTAIN	RAD	RADIAL
DIA	DIAMETER	RB	RUBBER
DIM	DIMENSION	RD	ROOF DRAIN
DL	DEAD LOAD	REF	REFERENCE
DN	DOWN	REINF	REINFORCING
DR	DOOR	REQ	REQUIRED
DS	DOWNSPOUT	REV	REVISION
DWG	DRAWING	RF	RUBBER FLOOR
		RM	ROOM
ELEV	ELEVATION	RO	ROUGH OPENING
ELECT	ELECTRICAL		
ENG	ENGINEER	SAT	SUSPENDED ACOUSTICAL TILE
EQ	EQUAL	SC	SEALED CONCRETE
EQUIP	EQUIPMENT	SC	SOLID CORE
(E), EXIST	EXISTING	SF	STOREFRONT
EJ, EXP JT	EXPANSION JOINT	SHTG	SHEATHING
EXT	EXTERIOR	SIM	SIMILAR
		SPEC	SPECIFICATION
F/STUD	FACE OF STUD	SQ	SQUARE
F/WALL	FACE OF WALL	SS	STAINLESS STEEL OR SOLID SURFACE
FB	FLAT BAR	STD	STANDARD
FD	FLOOR DRAIN	SUSP	SUSPENDED
FDC	FIRE DEPARTMENT CONNECTION		
FE	FIRE EXTINGUISHER	T	TEMPERED
FF	FACTORY FINISH	T/, T/O	TOP OF
FF, FIN FLR	FINISH FLOOR	TA	TOILET ACCESSORY
FIN GR	FINISH GRADE	TBD	TO BE DETERMINED
FLR	FLOOR	THK	THICK(NESS)
FOC	FACE OF CONCRETE	TLT	TOILET
FND	FOUNDATION	TS	TUBE STEEL
FOF	FACE OF FINISH	TYP	TYPICAL
FOS	FACE OF STUD		
FOW	FACE OF WALL		
FT	FLOOR TILE	UL	UNDER WRITERS LABORATORIES
FTG	FOOTING	UNO	UNLESS NOTED OTHERWISE
FURN	FURNITURE		
GA	GAUGE	VB	VINYL BASE
GALV	GALVANIZED	VERT	VERTICAL
GEN	GENERAL	VEST	VESTIBULE
GC	GENERAL CONTRACTOR	VF	VINYL FLOOR
GR	GRADE		
GYP BD, GB	GYPSUM BOARD	w/	WITH
		WC	WALL COVERING
HB	HOSE BIB	WD	WOOD
HC	HOLLOW CORE	WF	WOOD FLOOR
HDWR	HARDWARE	WNDW	WINDOW
HM	HOLLOW METAL	w/o	WITHOUT
HORIZ	HORIZONTAL	WP	WATER PROOF
HSS	HOLLOW STRUCTURAL STEEL	WR	WATER RESISTANT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	WRB	WEATHER RESISTANT BARRIER
		WRGB	WATER RESISTANT GYPSUM BOARD
		WT	WALL TILE
ID	INSIDE DIMENSION	WWM	WELDED WIRE MESH
IE	INVERT ELEVATION	WH	WATER HEATER
INSUL	INSULATION		
INT	INTERIOR		

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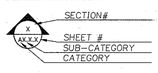
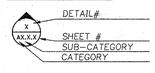
SYMBOLS AND REFERENCES

SECTION KEY MARKS


ELEVATION KEY MARKS


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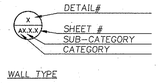

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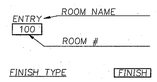

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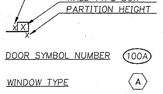

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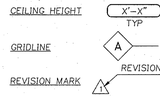
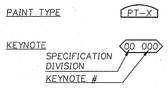
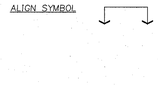


CEILING HEIGHT

GRIDLINE

DOOR SYMBOL NUMBER


REVISION MARK


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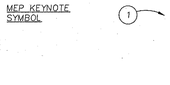

ALIGN SYMBOL

PAINT TYPE

KEYNOTE

MEP KEYNOTE SYMBOL

PROJECT SUMMARY

LOCATION: 10201 SE 240TH ST
KENT, WA 98031
ZONING: CC (COMMUNITY COMMERCIAL)
BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE W/ STATEWIDE AMENDMENTS
2012 INTERNATIONAL MECHANICAL CODE W/STATEWIDE AMENDMENTS
2012 INTERNATIONAL FIRE CODE W/ STATEWIDE AMENDMENTS
2012 UNIFORM PLUMBING CODE W/ STATEWIDE AMENDMENTS
2012 INTERNATIONAL ENERGY CONSERVATION CODE/WASHINGTON STATE ENERGY CODE
NATIONAL ELECTRICAL CODE (NFPA 70)
ICC/ANSI A117.1-09, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, W/ STATEWIDE AMENDMENTS
CLIMATE ZONE: MARINE 4
SEISMIC DESIGN: D

CODE SUMMARY

EXISTING BUILDING

OCCUPANCY: M
CONSTRUCTION TYPE: VB
UNLIMITED AREA, YARDS <60'
SPRINKLED: 100%
FIRE ALARM: YES

WITHIN THE WALLS REMODEL DESIGNED IN ACCORDANCE TO 2012 IBC CHAPTER 34 ALTERATIONS. ALL ALTERATIONS TO BUILDING OR STRUCTURE COMPLY WITH THE REQUIREMENTS OF THE CODE FOR NEW CONSTRUCTION.

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION
303 ASSEMBLY GROUP A-2
EXCEPTION 3 - SPACES LESS THAN 750 SF AND ACCESSORY TO ANOTHER OCCUPANCY CAN BE CLASSIFIED AS GROUP B OR AS PART OF THAT OCCUPANCY.
QUALIFYING ROOMS:
210 LUNCH ROOM - 367 SF
140 STARBUCKS SEATING - 344 SF

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS
EXISTING BUILDING HEIGHT & AREA UNCHANGED
503 BUILDING AREA

FIRST FLOOR	149,769 SF
SECOND FLOOR	2,754 SF
MEZZANINE	14,623 SF
TOTAL BUILDING AREA	167,146 SF
OAS GARDEN CENTER	8,080 SF
TOTAL OAS	8,080 SF

504 BUILDING HEIGHT:
ALLOWED: 60'-0"
EXISTING HEIGHT: LESS THAN 60'-0"

505 MEZZANINES
ALLOWABLE AREA 1/3 OF 149,769: 49,923 SF
EXISTING AREA 14,623 SF

507 UNLIMITED BUILDING AREA
507.4 SPRINKLERED, TWO STORY - THE AREA SHALL NOT BE LIMITED FOR A GROUP M BUILDING NO MORE THAN 2 STORIES WHERE BUILDING IS PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT AND IS SURROUNDED AND ADJOINED BY PUBLIC WAYS NOT LESS THAN 60 FEET IN WIDTH.

CHAPTER 9 FIRE PROTECTION SYSTEMS
906.3.1 CLASS A FIRE HAZARDS -MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER SHALL BE 75'-0" WITH 30" WIDE CLEARANCE AT LOCATION. PORTABLE FIRE EXTINGUISHER REQUIREMENTS SHALL BE DETERMINED BY THE FIRE DEPARTMENT FIELD INSPECTOR IN ACCORDANCE WITH FIRE CODE.

CHAPTER 10 MEANS OF EGRESS
EXISTING BUILDING AREA TO REMAIN THEREFORE OCCUPANT LOAD IS UNCHANGED AND IS PER PREVIOUS PERMIT
1004 OCCUPANT LOAD

*NOTE: MEZZANINE WILL BE CLOSED AND UNOCCUPIED/UNUSED; MEZZANINE OCCUPANT LOADS ARE STILL USED IN EGRESS CALCULATIONS

BUILDING

OCCUPANCY TYPE	AREA (SF)	LOAD FACTOR	OCCUPANTS
MERCANTILE	121,949 SF	1/30 GROSS	4065 OCC
MERCANTILE OAS	8,080 SF	1/30 GROSS	270 OCC
MERCANTILE STORAGE	25,416 SF	1/300 GROSS	85 OCC
TOTAL	155,445 SF		4420 OCC

1005 EGRESS WIDTH

	REQUIRED	PROVIDED
MINIMUM EGRESS WIDTH		
STAIRWAYS - EXISTING TO REMAIN		
OTHER EGRESS COMPONENTS (.15"/OCC)	663"	1,525"

1014 COMMON PATH OF EGRESS TRAVEL - DOES NOT EXCEED 75'-0" MAX

1016 EXIT ACCESS TRAVEL DISTANCE
TABLE 1016.2 - TRAVEL DISTANCE DOES NOT EXCEED 250'-0" MAX

CHAPTER 10 MEANS OF EGRESS (CONT.)
TABLE 1021.1 MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD

OCCUPANT LOAD	MINIMUM # OF EXITS REQ'D	PROVIDED
MORE THAN 1,000:	4	12

CHAPTER 29 PLUMBING SYSTEMS
EXISTING BUILDING AREA AND OCCUPANT LOAD ARE UNALTHERED THEREFORE PLUMBING COUNT IS PER PREVIOUS PERMIT, PER CHAPTER 34.

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G0.1 COVER SHEET/CODE ANALYSIS
G0.1.1 REFERENCE SITE PLAN

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S0.2.0 STRUCTURAL TYPICAL DETAILS
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S3.2.0 FOD ENTRY FRAMING PLAN
S3.3.0 ROOF FRAMING PLAN
S5.1.1 REFRIGERATION ANCHORAGE DETAILS

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AD1.1.1 DEMOLITION MEZZANINE PLAN
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A1.1.1 MEZZANINE PLAN
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A1.2.1 ENLARGED CONCRETE PLACEMENT PLANS
A1.3 REFLECTED CEILING PLAN
A1.3.1 WALL/CEILING/FASCIA DETAILS
A1.4 ROOF PLAN
A1.4.1 ROOF DETAILS
A1.6 FLOOR FINISH PLAN
A1.6.1 MEZZANINE FINISH PLAN
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A3.1 WALL SECTIONS
A3.2 WALL TYPES
A3.2.2 WALL DETAILS
A4.1 ENLARGED ENTRY PLANS, PARTIAL ELEVATIONS
A4.1.1 ENLARGED FLOOR PLAN DELI, BAKERY, PRODUCE
A5.0 ASD REFERENCE MASTER KEY PLAN
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A5.1.1 ARCHITECTURAL STANDARD DETAILS (ASD)
A5.1.2 ARCHITECTURAL STANDARD DETAILS (ASD)
A5.1.3 ARCHITECTURAL STANDARD DETAILS (ASD)
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A5.1.6 GENERAL INSTALLATION STANDARD DETAILS (GISD)
A5.1.7 REFRIGERATION INSTALLATION STANDARD DETAILS (RISD)
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ED1.1.1 LIGHTING DEMOLITION PLAN - MEZZANINE
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E1.5.2 ELECTRICAL ROUGH-IN PLANS
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E5.2 ELECTRICAL STANDARD DETAILS SHEET (2 OF 9)
E5.3 ELECTRICAL STANDARD DETAILS SHEET (3 OF 9)
E5.4 ELECTRICAL STANDARD DETAILS SHEET (4 OF 9)
E5.5 ELECTRICAL STANDARD DETAILS SHEET (5 OF 9)
E5.6 ELECTRICAL STANDARD DETAILS SHEET (6 OF 9)
E5.7 ELECTRICAL STANDARD DETAILS SHEET (7 OF 9)
E5.8 ELECTRICAL STANDARD DETAILS SHEET (8 OF 9)
E5.9 ELECTRICAL STANDARD DETAILS SHEET (9 OF 9)
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E6.2.3 PANEL SCHEDULES
E6.2.4 PANEL SCHEDULES
E6.2.5 PANEL SCHEDULES
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I1.3.2 DECOR PLAN
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I2.1.2 CONTRACTOR ELEVATIONS
I2.1.3 CONTRACTOR ELEVATIONS
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I2.1.5 CONTRACTOR ELEVATIONS
I2.1.6 CONTRACTOR ELEVATIONS
I2.1.7 CONTRACTOR ELEVATIONS
I2.1.8 CONTRACTOR ELEVATIONS
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I2.2.3 DECOR ELEVATIONS
I2.2.4 DECOR ELEVATIONS
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I2.2.6 DECOR ELEVATIONS
I2.2.7 DECOR ELEVATIONS
I2.2.8 DECOR ELEVATIONS
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R5.1 REFRIGERATION STANDARD DETAILS
R6.1 REFRIGERATION EQUIPMENT SCHEUDLE
RTM REFRIGERATION TEMP MONITORING

ENERGY MANAGEMENT
EM1 ENERGY MANAGEMENT DETAILS SCHEDULE
EM2 ENERGY MANAGEMENT SYSTEM
EM3 ENERGY MANAGEMENT REFRIGERATION OVERALL PLAN
EM4 ENERGY MANAGEMENT REFRIGERATION DETAILS
EM5 ENERGY MANAGEMENT REFRIGERATION CONTROL POINTS
EM6 ENERGY MANAGEMENT LIGHTING HVAC OVERALL PLAN
EM7 ENERGY MANAGEMENT CONTACTORS AND SCHEDULE
EM8 ENERGY MANAGEMENT LIGHTING HVAC DETAILS

STARBUCKS
SB-E1 ELECTRICAL PLAN
SB-E2 LIGHTING PLAN
SB-E3 PANEL SCHEDULE & DETAIL
SB-P1 PLUMBING SUPPLY PLAN
SB-P1A PLUMBING SUPPLY PLAN
SB-P2 PLUMBING SANITARY PLAN
SB-P3 PLUMBING FOUNDATION PLAN

CITY OF KENT
BUILDING PERMIT APPROVAL
This 29th day of March, 20 16
These plans (and/or specifications) were examined and approved for Permit No. 2154547, subject to revisions marked hereon. All permits are subject to field inspections for conformance to the International Building Code and other pertinent laws and ordinances. The issuance of a permit, approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of the provisions of the City of Kent.
Valuation: M
Occupancy: VB
Type of Construction:
Chris Schauer
Title
Authorized Signature

RECEIVED
MAR 22 2016
CITY OF KENT
PERMIT CENTER
2154547

SUBMITTED BY TRADE PERMIT

- ELECTRICAL PERMIT (SUB-CONTRACTOR TO OBTAIN THROUGH WASHINGTON STATE DEPARTMENT OF LABOR & INDUSTRIES)

DEFERRED SUBMITTALS

- FIRE SPRINKLER
- FIRE ALARM (OFO1)
- TYPE I HOODS FIRE SUPPRESSION
- DEFERRED SUBMITTALS LISTED ON SHEET S0.1
- FIRE RATED DUCT WRAP FOR TYPE 1 HOODS
- COOLER CONSTRUCTION DETAILS
- TESTING LAB FOR STRUCTURAL SPECIAL INSPECTIONS

PERMIT SET: DECEMBER 21, 2015

M. Architecture • Interiors Planning • Engineering
Portland, OR 503.224.9560
Vancouver, WA 360.695.7879
Seattle, WA 206.749.9993
www.mcknze.com
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Client
FRED MEYER STORES, INC.
3800 SE 22ND AVE
PORTLAND, OR 97202

FredMeyer

Project
FRED MEYER STORES, INC.
KENT RETAIL STORE #172 REMODEL

FRED MEYER STORE #172
10201 SE 240TH ST
KENT, WA 98031

Mechanical/Electrical/Plumbing
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PORTLAND, OR 97204
Phone: (206) 376-9820

Structural
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1515 SE WATER AVE #100
PORTLAND, OR 97214
Phone: (503) 224-9560

7301
REGISTERED ARCHITECT
TERRY ALLEN KRAUSE
STATE OF WASHINGTON

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REVISIONS:

DELTA	SHEET	REVISIONS	REVISION DELTA CLOSING DATE
1		Permit Res 2.12.16	
2		Bld Set 2.15.16	
3		Addendum 1 3.2.16	
4	X	Permit Res 3.17.16	

SHEET TITLE:
TITLE SHEET + CODE SUMMARY

DRAWN BY: RDM

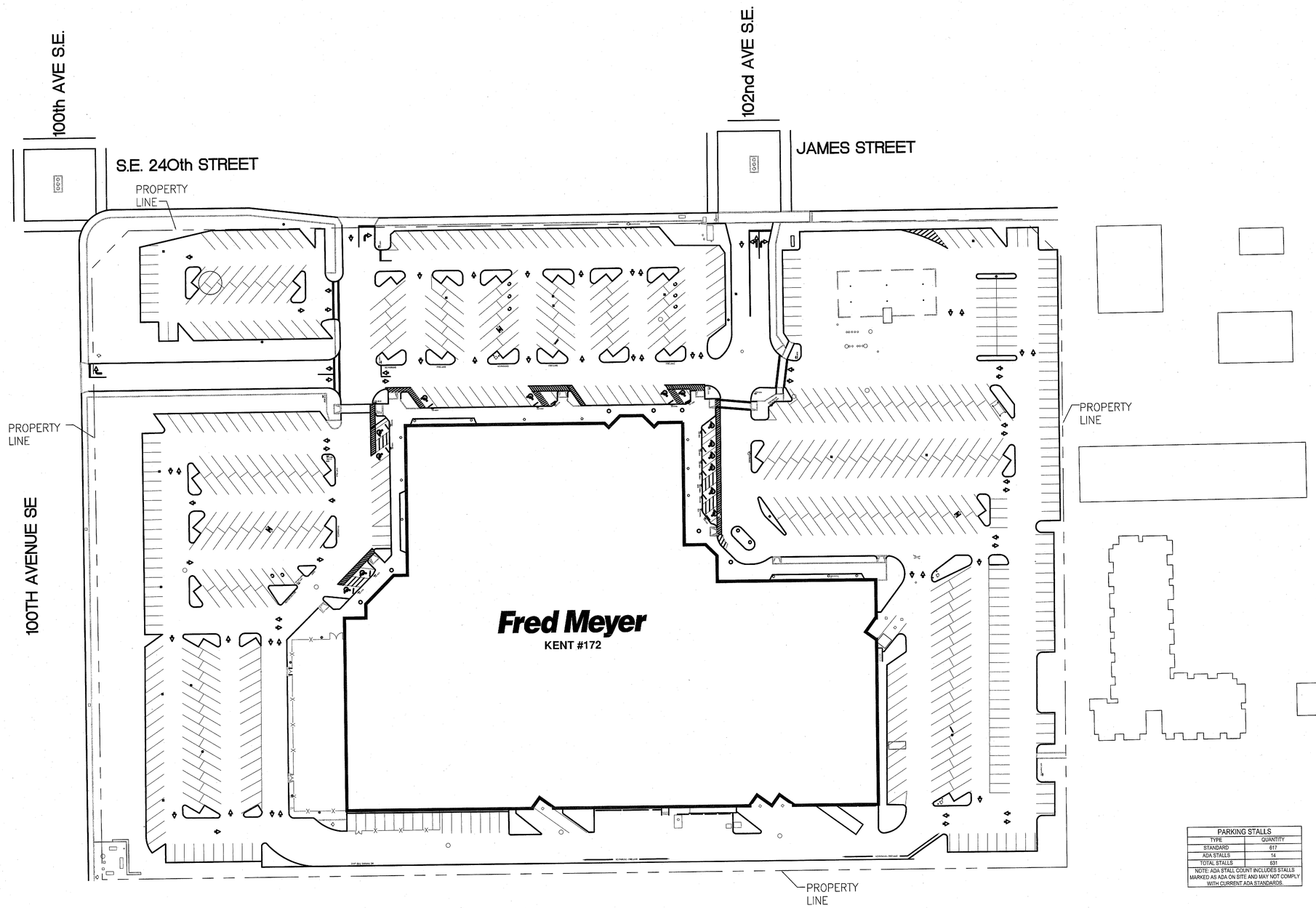
CHECKED BY: TAK

SHEET
G0.1

JOB NO. 215034600.00

GENERAL NOTES

A. ALL EXISTING SITE ELEMENTS TO REMAIN UNO.
B. REFRESH LANDSCAPING, TYP. ENTIRE PROPERTY
C. RESTRIPE PARKING LOT, TYP. ENTIRE PROPERTY



PARKING STALLS	
TYPE	QUANTITY
STANDARD	617
ADA STALLS	14
TOTAL STALLS	631
NOTE: ADA STALL COUNT INCLUDES STALLS MARKED AS ADA ON SITE AND MAY NOT COMPLY WITH CURRENT ADA STANDARDS.	

1 G0.1.1 SITE PLAN
1"=40'-0"

Architecture ▪ Interiors
Planning ▪ Engineering

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REVISIONS:

REVISION DELTA SYMBOLS	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE

SHEET TITLE:
SITE PLAN

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: RDM
CHECKED BY: TAK
SHEET
G0.1.1

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

215034600\v4_08\MWDT\ARCHITECTURAL\172_G0.1.DWG DAJ 12/17/15 11:08 1:480.0

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA

1. GOVERNING BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE
2. GRAVITY LOADS:
   - ROOF
     - ROOF LIVE . . . . . 20 PSF
     - MEZZANINE (STORAGE) . . . . . 125 PSF
     - SNOW (BUILD-UP IN ACCORDANCE WITH 2009 IBC)
       - GROUND SNOW LOAD (Pg). . . . . 25 PSF
       - FLAT-ROOF SNOW LOAD (Pf). . . . . 25 PSF
       - SNOW EXPOSURE FACTOR (Ce) 1.0
       - SNOW IMPORTANCE FACTOR (I) 1.0
       - THERMAL FACTOR (Ct). 1.0
3. SEISMIC (PER ASCE 7)
   - SEISMIC IMPORTANCE FACTOR (I) 1.0
   - OCCUPANCY CATEGORY II
   - 0.2 SEC. MAPPED SPECTRAL RESPONSE ACCELERATION (Ss) 1.318
   - 1.0 SEC. MAPPED SPECTRAL RESPONSE ACCELERATION (S1) 0.496
   - SITE CLASS. . . . . D
   - 0.2 SEC. SPECTRAL RESPONSE COEFFICIENTS (SDs) 0.879
   - 1.0 SEC. SPECTRAL RESPONSE COEFFICIENTS (SD1) 0.498
   - SEISMIC DESIGN CATEGORY . . . . . D
4. WIND (PER ASCE 7)
   - BASIC WIND SPEED (3 SECOND GUST). . . . . 110 MPH
   - IMPORTANCE FACTOR (I) 1.0
   - EXPOSURE . . . . . B
   - PRESSURE COEFFICIENTS (PER ASCE 7 – METHOD 1)
   - COMPONENTS & CLADDING DESIGN PRESSURE (PER ASCE 7 – METHOD 1)

GENERAL

1. THE PROJECT SPECIFICATIONS ARE NOT SUPERSEDED BY THE STRUCTURAL NOTES. CONSULT THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS IN EACH SECTION. NOTES AND DETAILS IN THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
3. DO NOT SCALE DRAWINGS; COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE WITH AMENDMENTS.
5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   - A. SIZE AND LOCATION OF ALL OPENINGS, EXCEPT AS NOTED.
   - B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NONBEARING PARTITIONS.
   - C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
   - D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS, EXCEPT AS SHOWN.
   - E. FLOOR AND ROOF FINISHES.
   - F. STAIR FRAMING AND DETAILS, EXCEPT AS SHOWN.
   - G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   - A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   - B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   - C. CONCRETE INSERTS FOR FIXTURES.
   - D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.
7. METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
8. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS AND VISITORS DURING CONSTRUCTION. SUCH MEASURE SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION LOADS, ETC. VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE REVIEW OF THE ABOVE ITEMS.
9. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
10. CONSTRUCTION LOAD (MATERIAL AND EQUIPMENT) SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURES HAVE NOT ATTAINED DESIGN STRENGTH.
11. WHEN A DETAIL IS IDENTIFIED, THE CONTRACTOR SHALL APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS MADE IN EVERY INSTANCE.

FOUNDATION

1. FOUNDATIONS HAVE BEEN DESIGNED USING THE CONVENTIONAL FRAMING PROVISIONS AND 1500 PSF ALLOWABLE SOIL BEARING PRESSURE PER IBC CH 18
2. FOUNDATIONS ARE TO BEAR ON NATIVE UNDISTURBED SOIL.
3. CONTRACTOR WILL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE, GROUND OR SEEPAGE WATER. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS

CONCRETE

1. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND REVIEWED BY THE ENGINEER. MIX DESIGNS SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT.
2. AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330. PORTLAND CEMENT SHALL BE TYPE I OR TYPE II AND SHALL CONFORM TO ASTM C150. MINIMUM COARSE AGGREGATE SIZE IS 1/2 INCH (1½" FOR S.O.G.)
3. ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER SEALING THE MIX DESIGN. ADMIXTURES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT. CALCIUM CHLORIDE SHALL NOT BE USED.
4. COMPRESSIVE STRENGTHS OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:
   - FOOTINGS AND SLAB ON GRADE . . . . . 3000 PSI
   - CONCRETE SLUMP SHALL BE 4 INCHES +/- 1 INCH

   MAXIMUM WEIGHT OF LIGHT-WEIGHT CONCRETE SHALL BE 115 PCF.
5. MIXING, TRANSPORTING, AND PLACING OF CONCRETE SHALL CONFORM TO THE LATEST EDITION OF ACI 304R AND PROJECT SPECIFICATIONS. ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED SHALL BE THOROUGHLY CLEANED. LAITANCE AND STANDING WATER SHALL BE REMOVED.
6. ALL REINFORCING BARS, WELDED WIRE FABRIC, ANCHOR BOLTS, EMBEDDED PLATES AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE. PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED. "PULLING-UP" WELDED WIRE FABRIC WITH HOOKS DURING CONCRETE PLACEMENT IS NOT PERMITTED.
7. CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS: (SEE ACI 318 SECTION 7.7 FOR CONDITIONS NOT NOTED.)
   - A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH . 3"
   - B. CONCRETE EXPOSED TO EARTH OR WEATHER:
     - BARS #6 AND LARGER . . . . . 2"
     - BARS #5 AND SMALLER. . . . . 1 1/2"
   - C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
     - SLABS, WALLS, JOISTS – #11 BARS AND SMALLER. . . . . 3/4"
     - BEAMS, COLUMNS – TIES, STIRRUPS, SPIRALS . . . . . 1 1/2"
8. REINFORCING STEEL FOR CONCRETE SHALL BE GRADE 60 AND SHALL CONFORM TO ASTM A615 OR A706 FOR WELD TYPE REINFORCING STEEL. REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
9. WELDING REINFORCEMENT BARS, WHEN APPROVED BY THE STRUCTURAL ENGINEER, SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D1.4, LATEST EDITION. E70XX ELECTRODES SHALL BE USED IN WELDING A706 REINFORCING BARS TO STRUCTURAL STEEL.
10. DETAILING OF CONCRETE REINFORCEMENT BARS AND ACCESSORIES SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF THE ACI 315 DETAILING MANUAL.
11. GROUT SHALL BE NON-SHRINKABLE GROUT CONFORMING TO ASTM C1107 AND SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI. PRE GROUTING OF BASE PLATES WILL NOT BE PERMITTED.
12. FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE FOR THE REQUIRED CAMBERS/SLOPES.
13. CONDUIT OR PIPE SIZE (OD) SHALL NOT EXCEED 30 PERCENT OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATION OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.
14. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. CORING THROUGH CONCRETE IS NOT PERMITTED EXCEPT WHERE SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
15. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE A RESILIENT FLOORING FINISH SHALL BE APPROVED BY THE FLOORING MANUFACTURER BEFORE USE.
16. PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLABS-ON-GRADE AS SHOWN IN TYPICAL DETAILS SO AS TO DIVIDE SLABS INTO APPROXIMATELY RECTANGULAR AREAS NOT OVER 225 SQUARE FEET WITH A RATIO OF LONG TO SHORT SIDES NOT OVER 1.5 AND SPACING NOT EXCEEDING 15'-0" ON CENTER. IN ADDITION, PROVIDE CONTROL JOINTS OFF OF ALL REENTRANT CORNERS TO INTERSECTION OF CONTROL JOINTS BEYOND. PROVIDE CONTROL JOINTS TO CONNECT OFFSET COLUMNS, PITS AND OTHER INTERRUPTIONS TO THE SLAB.

STRUCTURAL WOOD

1. THE QUALITY OF ALL WOOD MEMBERS AND THEIR FASTENINGS SHALL CONFORM TO CHAPTER 23 OF THE IBC.
2. ALL FRAMING MEMBERS AND PLYWOOD SHALL CONFORM TO THE FOLLOWING SPECIFIED TABLES, UNLESS NOTED OTHERWISE:
   - FRAMING MEMBERS . . . . . DF-L PORTION OF TABLE 2308.8 (IBC)
   - SHEATHING . . . . . TABLE 2304.7 (IBC)
3. ALL STRUCTURAL SHEATHING SHALL BE FABRICATED WITH EXTERIOR GLUE CONFORMING TO U.S. PRODUCTS STANDARD PS-1 FOR CONSTRUCTION AND INDUSTRIAL SHEATHING.
4. ALL FRAMING MEMBERS AND SHEATHING SHALL BE GRADE MARKED.
5. FRAMING MEMBERS SHALL CONFORM TO THE FOLLOWING GRADES UNO ON PLANS:
   - STUDS . . . . . DF-L, STUD OR BETTER
   - JOISTS . . . . . DF-L, #2 OR BETTER
   - PLATES . . . . . DF-L, #2 OR BETTER
6. IBC TABLE 2304.9.1, NAILING SCHEDULE, SHALL GOVERN UNLESS MORE RESTRICTIVE NAILING IS INDICATED ON THE PLANS OR DETAILS.
7. BOLT HOLES IN WOOD SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT, DEPENDING ON BOLT SIZE.
8. BOLT HOLES SHALL NOT BE LESS THAN 7x DIA. FROM THE END AND 4x DIA. FROM THE EDGE OF THE MEMBER, UNLESS NOTED OTHERWISE.
9. BOLTS USED IN WOOD SHALL BE A307.
10. PRE-DRILL NAIL HOLES WHERE NECESSARY TO PREVENT SPLITTING.
11. ALL SUSPENDED LOADS FROM SUBPURLINS ARE PROHIBITED WITHOUT PRIOR APPROVAL FROM ENGINEER.
12. ALL HANGERS, POST CAPS AND BASES ARE BY SIMPSON OR APPROVED EQUIVALENT. PROVIDE SIMPSON (OR APPROVED EQUIVALENT) HANGERS FOR BEAMS, JOISTS, POST BASES AND CAPS FOR COLUMNS UNLESS NOTED ON PLANS AND DETAILS.

STRUCTURAL STEEL

1. ALL W-SECTION SHAPES SHALL CONFORM TO ASTM A992. OTHER STRUCTURAL STEEL ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A36.
2. STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B OR ASTM A501. MILL TEST REPORTS FOR STEEL PIPE SHALL BE SUBMITTED FOR APPROVAL.
3. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B (FY = 46 KSI).
4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR 36, UNLESS NOTED OTHERWISE.
5. STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" WITH AMENDMENTS, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," WITH AMENDMENTS.
6. WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D1.1 LATEST EDITION. ELECTRODES FOR SHOP AND FIELD WELDS SHALL CONFORM TO AWS A5.1 OR AWS A5.5, CLASS E70XX. SUBMIT SPECIFICATIONS OF PROPOSED SUBSTITUTE FILLER METAL FOR APPROVAL.
7. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
8. HEADED CONCRETE ANCHORS SHALL BE NELSON HEADED CONCRETE ANCHORS (OR APPROVED EQUAL), AND SHALL CONFORM TO ASTM A108. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
9. DEFORMED BAR ANCHORS (DBA) SHALL BE NELSON DEFORMED BAR ANCHORS (OR APPROVED EQUAL), AND SHALL BE MADE FROM LOW CARBON STEEL CONFORMING TO ASTM A496. ANCHORS SHALL BE AUTOMATICALLY END-WELDED WITH SUITABLE WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
10. WELDS USED IN MEMBERS AND CONNECTIONS IN THE SEISMIC LOAD RESISTIVE SYSTEM (IE DRAG-STRUTS, MOMENT FRAMES & BRACE FRAMES) DESIGNATED IN THE DRAWINGS AS DEMAND CRITICAL (DC) WELDS SHALL HAVE A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS PER AISC 341 SECTION 7.3b. OTHER WELDS SHALL COMPLY WITH SECTION 7.3a.
11. THE METAL OF THE BEAMS, COLUMNS AND PLATES USED IN MEMBERS & CONNECTIONS IN THE SEISMIC LOAD RESISTIVE SYSTEM. (I.E. DRAGSTRUTS, MOMENT FRAMES & BRACE FRAMES) DESIGNATED IN THE DRAWINGS (SLRS) WITH THICKNESS AS DESIGNATED IN AISC 341 SECTION 6.3 SHALL HAVE A CVN TOUGHNESS AS LISTED IN AISC 341 SECTION 6.3.
12. SUBMIT A WELDING PROCEDURE IN ACCORDANCE WITH AWS D1.1, 2004 EDITION AND MANUFACTURER'S RECOMMENDATIONS FOR ALL SLRS WELDS. APPROVED PROCEDUERS TO BE SUBMITTED TO SPECIAL INSPECTOR FOR REVIEW AND APPROVAL THEN TO THE ENGINEER FOR REVIEW.
13. LOWEST ANTICIPATED SERVICE TEMPERATURE (LAST) SHALL BE 50° F FOR INDOOR CONDITIONED STRUCTURES & 0° F FOR OUTDOOR/UNCOND STRUCTURES

MASONRY

1. MASONRY UNITS SHALL BE GRADE N HOLLOW CONCRETE UNITS CONFORMING TO THE REQUIREMENTS OF ASTM C90. ALL MASONRY ASSEMBLY SHALL DEVELOP A MINIMUM 28-DAY COMPRESSIVE STRENGTH F'M AS FOLLOWS:
   - EXTERIOR NON BEARING WALLS 1500
   - INTERIOR NON BEARING WALLS 1500

   MASONRY UNITS SHALL HAVE THE STRENGTHS SPECIFIED IN IBC TABLE 2105.2.2.1.1 & .2 AND SHALL NOT BE INSTALLED PRIOR TO ATTAINING THE REQUIRED 28-DAY STRENGTH. WALL THICKNESS SHALL BE AS SHOWN ON PLANS.
2. MORTAR FOR REINFORCED MASONRY SHALL CONFORM ASTM C270. MORTAR SHALL BE TYPE S.
3. MORTAR SHALL BE MIXED BY MECHANICAL MEANS AND PROPORTIONED BY ACCURATE MEASUREMENT ACCORDING TO IBC TABLE NO. 2103.8. SHOVEL MEASUREMENT WILL NOT BE ALLOWED.
4. AGGREGATE FOR MASONRY MORTAR SHALL CONFORM TO ASTM C144.
5. GROUT FOR REINFORCED MASONRY SHALL CONFORM TO ASTM C476-99, WITH A 28-DAY COMPRESSIVE STRENGTH PER IBC TABLE 2105.2.2.1.2.
6. AGGREGATE FOR GROUT FOR MASONRY SHALL CONFORM TO ASTM C404.
7. COMPLY WITH IBC SECTIONS 2104 AND 2105 – CONSTRUCTION REQUIREMENTS AND QUALITY CONTROL FOR MASONRY.
8. ALL REINFORCING FOR MASONRY WALLS SHALL BE GRADE 60 CONFORMING TO ALL PROVISIONS OF CONCRETE REINFORCING SECTION ABOVE.
9. PROVIDE HORIZONTAL BOND BEAMS AT 4'-0" O.C. WITH (2) #4 CONTINUOUS & (1) #4 AT 2'-8" OC VERT. AND SOLID GROUT, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
10. REINFORCEMENT PLACED IN BOND BEAMS SHALL BE LAPPED A MINIMUM OF (40) BAR DIAMETERS AT SPLICES. PROVIDE CORNER BARS OF EQUIVALENT SIZE LAPPED (36) BAR DIAMETERS AT CORNERS AND INTERSECTIONS OF WALLS, UNLESS NOTED OTHERWISE ON DRAWINGS.
11. EXCEPT AS OTHERWISE SHOWN, REINFORCE AROUND ALL OPENINGS WITH:
    - (2) #5 x OPENING WIDTH PLUS 4'-0" AT HEAD
    - (1) #5 x OPENING HEIGHT PLUS 4'-0" AT EACH JAMB
12. IN CONCRETE ELEMENTS SUPPORTING MASONRY WALLS, EMBED DOWELS TO MATCH SIZE AND LOCATION OF VERTICAL MASONRY REINFORCEMENT. LAP DOWELS AND VERTICAL REINFORCEMENT (48) BAR DIAMETERS.
13. PROVIDE BAR POSITIONERS FOR ALL VERTICAL REINFORCING.
14. PROTECT ALL MASONRY UNITS, STORED AND ERECTED AT JOB SITE, FROM THE ELEMENTS.
15. PROVIDE CONTROL JOINTS PER ARCH, OTHERWISE PLACE JOINTS AT 20'-0" OC MAX. SEE SHEET S3.4 FOR JOINT DETAIL.

LIGHT GAGE STEEL FRAMING

1. LIGHT-GAGE STEEL SHALL CONFORM TO:
   - A. ASTM A 653 SS GRADE 50, CLASS 1 OR CLASS 3 (Fy = 50 KSI) FOR 0.0566 INCH THROUGH 0.1017 INCH THICKNESS.
   - B. ASTM A 653 SS GRADE 33 (Fy = 33 KSI) FOR 0.0180 INCH THROUGH 0.0451 INCH THICKNESS.
2. ALL FABRICATION, ERECTION, AND IDENTIFICATION OF LIGHT-GAGE STEEL FRAMING SHALL CONFORM TO IBC SECTIONS 2209 AND 2210 AND AISI SPECIFICATIONS.
3. PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
4. INSTALL BRIDGING/BLOCKING IN LIGHT-GAGE STEEL STUD WALLS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN IN THE DRAWINGS.
5. WELD LIGHT-GAGE STEEL FRAMING CONNECTIONS, EXCEPT WHERE SELF-DRILLING SCREWS ARE SPECIFIED.
6. WELDS SHALL CONFORM TO AWS SPECIFICATIONS. WELDERS SHALL BE CERTIFIED FOR LIGHT-GAGE STEEL UNDER AWS SPECIFICATIONS.
7. DESIGNATIONS OF COLD-FORMED, LIGHT-GAGE STEEL SHAPES REFER TO THOSE DESCRIBED IN ICBO EVALUATION REPORT 4943P OF THE METAL STUD MANUFACTURERS' ASSOCIATION.
8. SHEET METAL SCREWS SHALL BE OF THE MAKE SPECIFIED IN THE DRAWINGS OR, WHERE NO SPECIFIC MAKE IS GIVEN, SHALL BE RATED BY THEIR MANUFACTURER AS POSSESSING DESIGN LOAD CAPACITIES IN SHEAR AND TENSION AT LEAST EQUAL TO THOSE PUBLISHED IN ICBO EVALUATION REPORT NO. 4943 OF THE METAL STUD MANUFACTURERS' ASSOCIATION FOR THE SCREW SIZE SPECIFIED.

STRUCTURAL OBSERVATION

IN ACCORDANCE W/IBC CH 17 AND AT THE DIRECTION OF THE ENGINEER OF RECORD THE FOLLOWING ITEMS REQUIRE PERIODIC STRUCTURAL OBSERVATION. CONTRACTOR TO COORDINATE WITH ENGINEER OF RECORD FOR OBSERVATION BEFORE DESIGNATED WORK IS TO BE COVERED.

- (1) STRUCTURAL OBSERVATION TO OCCUR WHEN APPROXIMATELY 75% OF THE STRUCTURAL SCOPE OF WORK IS COMPLETED INCLUDING: STOREFRONT STEEL, NEW MEZZANINE FRAMING, VERTICAL LIFT SUPPORT FRAMING, ROOF TOP MECHANICAL UNIT FRAMING AND ANCHORAGE, AND HOOD SUPPORTS.

STRUCTURAL DEFERRED SUBMITTALS

CONTRACTOR TO SUBMIT DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT TO ARCHTECTURE/ENGINEER BEFORE SUBMITTING TO JURISDICTION FOR REVIEW AND PERMITTING

ITEM
1. CONCRETE MIX DESIGN*
2. ATTACHMENT OF MECHANICAL UNIT TO SUPPORT

*NOTE: CONCRETE MIX DESIGN(S) REQUIRE AN ENGINEER'S STAMP

3. TESTING LAB FORM

SPECIAL INSPECTION

IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTION. SEE THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR INSPECTION AND TESTING. SPECIAL INSPECTION SHALL BE PAID FOR AND PROVIDED BY THE OWNER.

ITEM PER CHAPTER 17	DESCRIPTION	TYPE
1. CONCRETE	– VERIFY MIX DESIGNS BEING USED – PERFORM STRENGTH AND SLUMP TESTS	CONTINUOUS
2. BOLTS INSTALLED IN CONCRETE	– ALL WEDGE ANCHORS – ALL EPOXY ANCHORS – ANCHOR BOLTS	PERIODIC
3. REINFORCING STEEL	– REINFORCING STEEL PLACEMENT IN FOUNDATION	PERIODIC
4. WELDING	– ALL FIELD WELDING – ALL SHOP WELDING	PER CHAPTER 17, IBC
5. CMU	– GROUT, MORTAR, & REINF	PER CHAPTER 17, IBC

ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH'L/ARCH	ARCHITECTURAL
@	AT
B/	BOTTOM OF
BLD/BLDG	BUILDING
BLK/BLKG	BLOCK/BLOCKING
BM	BEAM
BOTT	BOTTOM
BRG	BEARING
CJ	CONTROL JOINT
℄	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST JT	CONSTRUCTION JOINT
CONT	CONTINUOUS
COORD	COORDINATE
CTR/CNTR	CENTER
d	PENNY (NAILS)
DBL	DOUBLE
DBA	DEFORMED BAR ANCHOR
DC	DEMAND CRITICAL WELD
DET/DTL	DETAIL
DF	DOUGLAS FIR
DIA/ø	DIAMETER
DIAPH	DIAPHRAGM
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
E/	EDGE OF
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEV	ELEVATION
ELECT	ELECTRICAL
ENGR	ENGINEER
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING
EXP JT/EJ	EXPANSION JOINT
EXT	EXTERIOR
FB	FLAT BAR
FIN	FINISHED
FLR	FLOOR
FND	FOUNDATION
FS	FAR SIDE
FT	FEET/FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU LAM BEAM
HDR	HEADER
HORIZ/HOR	HORIZONTAL
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWS	HEADED WELD STUD
ID	INSIDE DIMENSION
IF	INSIDE FACE
INT	INTERIOR
IBC	INTERNATIONAL BUILDING CODE
JST	JOIST
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LONGIT	LONGITUDINAL
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO./#	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTE	NOT TO EXCEED
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/OSF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
PDA	POWER DRIVEN ANCHOR
PJ	PANEL JOINT
PL	PLATE
PLB	PARALLAM BEAM
PLYWD/PLY	PLYWOOD
PNL	PANEL
PS	POUR STRIP
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
REF	REFERENCE
REINF	REINFORCING
REQ/REQ'D	REQUIRED
REV	REVISION
SCH/SCHED	SCHEDULE
SHTG	SHEATHING
SIM	SIMILAR
SLRS	SEISMIC LOAD RESISTIVE SYSTEM
SLV	SHORT LEG VERTICAL
SMS	SHEET METAL SCREW
SP/SPA	SPACE(D)(S)
SPEC	SPECIFICATION
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
T&B	TOP AND BOTTOM
T/	TOP OF
THK	THICK(NESS)
TL	TOTAL LOAD
TN	TOE NAIL
TRANSV	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
UON/UNO	UNLESS OTHERWISE NOTED
VERT	VERTICAL
W/	WITH
WD	WOOD
WF	WIDE FLANGE BEAM
W/O	WITHOUT
WWF	WELDED WIRE FABRIC

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SHEET TITLE:

STRUCTURAL GENERAL NOTES

DRAWN BY: CEJ

CHECKED BY: NKH

SHEET

S0.1

JOB NO: 215034600.00

PERMIT SET: DECEMBER 21, 2015

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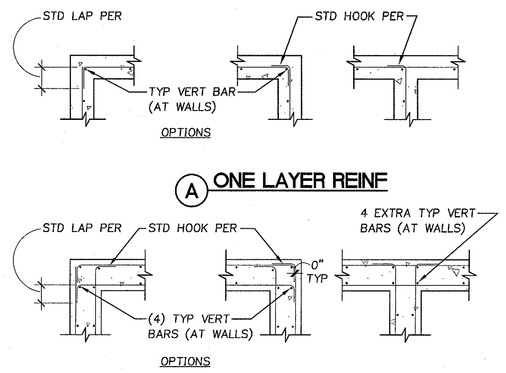
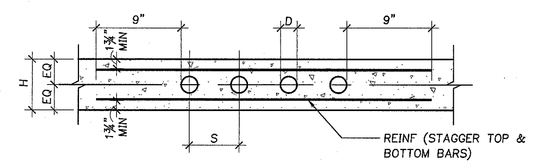


4 S0.2 REINF AT CONCRETE WALL AND FOOTING INTERSECTIONS

1 1/2"=1'-0" TD-09

NOTES:
1. ALUMINUM CONDUIT MAY NOT BE EMBEDDED IN CONCRETE.
2. NO PRESSURE PIPE MAY BE EMBEDDED IN CONCRETE.
3. MAINTAIN REQUIRED COVER.
4. DO NOT DISPLACE REINFORCEMENT FOR PIPE OR CONDUIT RUNS.
5. FOR CONDUIT OR PIPE D ≤ ¾" DIA NO REINF REQUIRED. SPACE CONDUIT OR PIPE S=2•D OR MIN 1" OC

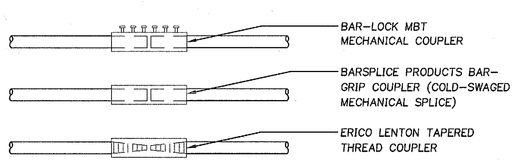


H	MAX D	MIN S[a]	REINFORCEMENT
7"	2 1/4"	2•DIA	#4 @ 2'-8" TOP & BOT
8"	2 1/2"	2•DIA	#4 @ 2'-0" TOP & BOT
9"	3"	2•DIA	#4 @ 1'-10" TOP & BOT
10 3/4"	3 1/2"	2•DIA	#4 @ 1'-6" TOP & BOT
14"	4 1/4"	2•DIA	#4 @ 1'-2" TOP & BOT

a – D = DIAMETER OF ACTUAL CONDUIT OR PIPE USED W/MAX PER TABLE

5 S0.2 IN-SLAB EMBEDMENT

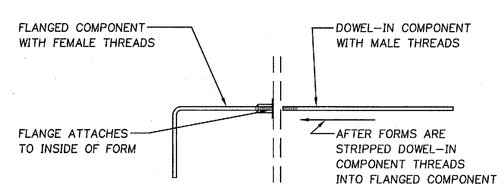
FOR PIPES OR CONDUITS — NO SCALE TD-18



NOTES:
1. EITHER THE BARSPLICE PRODUCTS BAR-GRIP COUPLER, THE ERICO LENTON TAPERED THREAD COUPLER OR THE BAR-LOCK MBT COUPLER MAY BE USED TO SPLICE REBAR. COMPLY W/ ICBO REPORTS NO. 3848, 3967 OR 5064 RESPECTIVELY. FOLLOW MANUFACTURER'S RECOMMENDATIONS.
2. AT THE CONTRACTOR'S OPTION POSITION COUPLERS MAY BE USED EXCEPT THAT THE ERICO LENTON P8 COUPLER MAY USED ONLY IN COMPRESSION SPLICES W/APPROVAL OF THE ENGINEER.
3. SPLICES MUST HAVE STRENGTH IN EXCESS OF 125% OF THE SPECIFIED YIELD STRENGTH OF ASTM A615 GR. 60 REINFORCING BAR.
4. SPECIAL INSPECTION COMPLYING WITH THE FINDINGS OF THE ICBO REPORTS IS REQUIRED.
5. IN GRADE BEAMS, SPLICE TOP BARS AT MID-SPAN AND SPLICE BOTTOM BARS OVER SUPPORTS.
6. IN BEAMS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE TOP BARS AT MIDSPAN AND SPLICE BOTTOM BARS OVER SUPPORTS USING MECH REBAR COUPLERS
7. IN SHEAR WALL BOUNDARY ELEMENTS, OPTIONALLY, IN LIEU OF LAP SPLICES SPLICE VERTICAL BARS WHERE CONVENIENT. STAGGER 50% OF SPLICES AT LEAST 24"
8. IN COLUMNS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE VERTICAL BARS WITHIN THE CENTER HALF OF A COLUMN'S HEIGHT. STAGGER 50% OF SPLICES AT LEAST 24".

8 S0.2 MECHANICAL REBAR COUPLERS

1 1/2"=1'-0" TD-13



NOTES:
1. AT THE CONTRACTOR'S OPTION THE TWO-PART DOWEL PRODUCTS LISTED AT RIGHT MAY BE USED TO REPLACE ORDINARY DOWELS SPECIFIED IN THE DRAWINGS.
2. FOLLOW MANUFACTURER'S DIRECTIONS AND APPLICABLE ICBO REPORTS. SPECIAL INSPECTION IS REQUIRED.
3. TWO-PART DOWEL COMPONENTS MUST BE OF SPECIFIED LENGTH AFTER ASSEMBLY.

9 S0.2 TWO PART DOWEL SYSTEM

REQUIRED SIZE OF FABRICATED TWO PART DOWEL COMPONENTS

MANUFACTURER AND BRAND NAME	SPECIFIED SIZE FOR REBAR					
	#4		#5		#6	
	DOWEL-IN COMPONENT	FLANGED COMPONENT	DOWEL-IN COMPONENT	FLANGED COMPONENT	DOWEL-IN COMPONENT	FLANGED COMPONENT
RICHMOND DOWEL BAR SUBSTITUTION	#4	#4	#5	#5	#6	#6
LENTON FORM SAVER	#4	#4	#5	#5	#6	#6
DAYTON-SUPERIOR D-50 DOWEL BAR REPLACEMENT	#5	#5	#6	#6	#7	#7

10 S0.2

1 1/2"=1'-0" TD-14

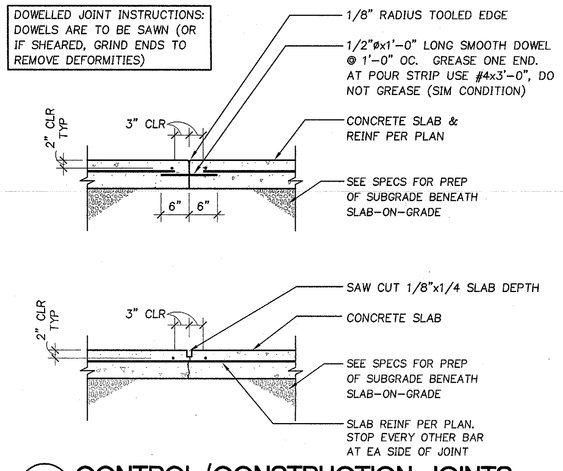
BAR	LENGTH (UON) IN INCHES		
	F'c=3000 PSI	F'c=4000 PSI	F'c=5000 PSI
#3	21	18	16
#4	28	24	22
#5	35	30	27
#6	42	36	33
#7	49	42	38
#8	59	51	46
#9	74	64	58
#10	94	82	75
#11	116	100	90

NOTE:
- WHEN TWO BAR SIZES ARE SPLICED, USE LAP LENGTH OF SMALLER BAR
- TABLE IS FOR CLASS B SPLICES

13 S0.2 TYPICAL LAP SPLICE

1 1/2"=1'-0" TD-12

DOWELLED JOINT INSTRUCTIONS: DOWELS ARE TO BE SAWN (OR IF SHEARED, GRIND ENDS TO REMOVE DEFORMITIES)



14 S0.2 CONTROL/CONSTRUCTION JOINTS

NO SCALE TD-17

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STRUCTURAL TYPICAL DETAILS

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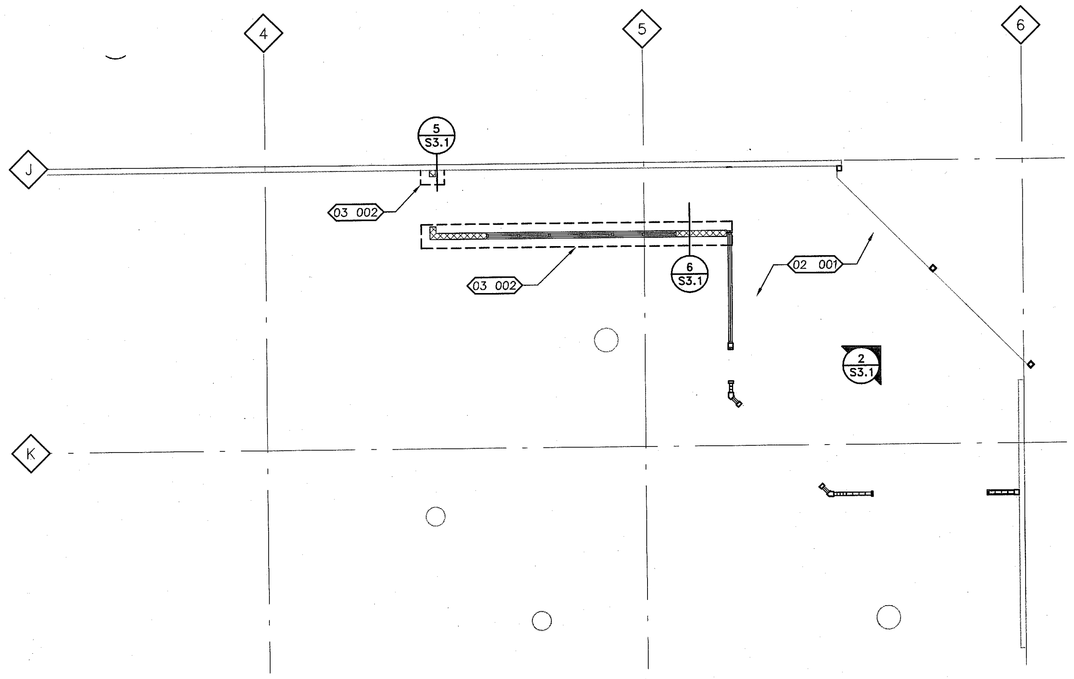
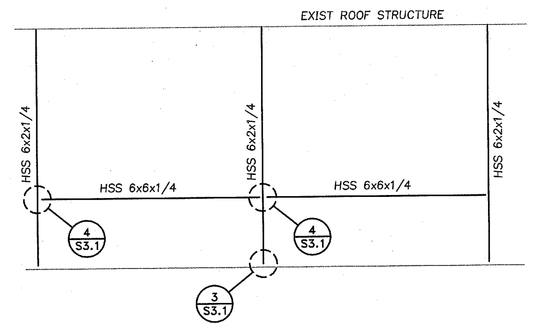


1 S3.1 FOD ENTRY FOUNDATION PLAN
1/8"=1'-0"



2 S3.1 STOREFRONT ELEVATION
1/8"=1'-0"

LEGEND

- A — GRID LINE
- 02 001 — KEYNOTE
- EXISTING FOOTING
- EXISTING CMU WALL
- EXISTING COLUMN
- NEW 8" SOLID GROUTED CMU WALL, SEE 7/S3.1

GENERAL NOTES

A. LOCATE CENTERLINES OF FOOTINGS AT CENTERLINES OF COLUMNS &/OR WALL/PILASTERS UNLESS OTHERWISE NOTED.
B. CONTRACTOR TO VERIFY EXISTING CONDITIONS & CONSULT W/ EOR IF FIELD CONDITIONS DIFFER FROM ORIGINAL PLANS.
C. SEE ARCHITECTURAL/MECHANICAL FOR ADDITIONAL INFORMATION.

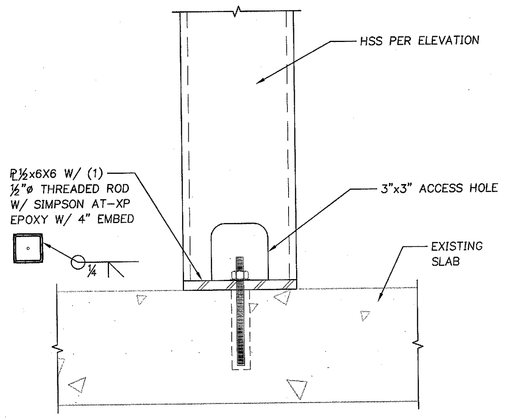
KEYNOTES

DIVISION 02 EXISTING CONDITIONS

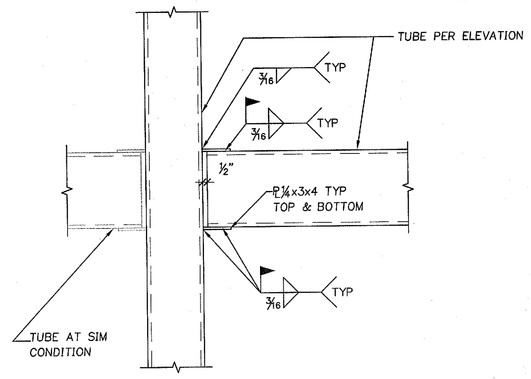
02 001	(E) SLAB ON GRADE. SAWCUT & REPLACE AS REQ'D W/ 4" SLAB. SEE ARCH FOR EXTENT. SEE ASD-69 FOR MORE INFO.

DIVISION 03 CONCRETE

03 001	4" SLAB ON GRADE. SEE ARCH FOR EXTENT SEE ASD-69 FOR MORE INFORMATION.
03 002	4'-0" x 1'-6" x CONT. FTG W/ #4 @ 12" O.C. TRANS REINF. & (5) #4 LONG REINF.



3 S3.1 HSS TO EXIST SLAB
3"=1'-0"
FM-SF-01



4 S3.1 STOREFRONT HSS CONNECTION
1 1/2"=1'-0"
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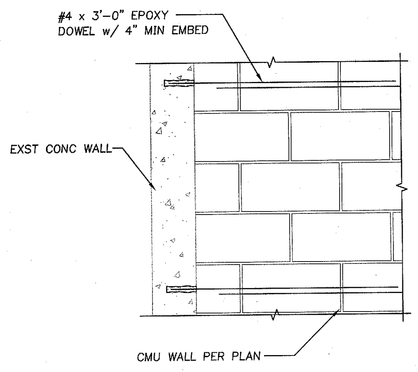
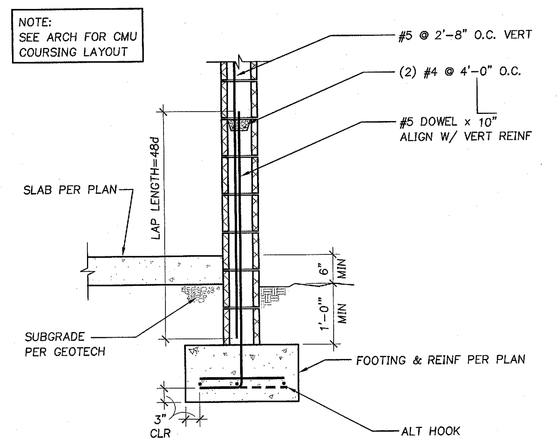


5 S3.1 NEW CMU WALL TO EXISTING
1"=1'-0"
S3.1-18



6 S3.1 CMU WALL TO FOOTING
3/4"=1'-0"
CMU-03A

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FOD ENTRY FOUNDATION PLAN

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CHECKED BY: NKH, JDM

SHEET
S3.1

215,647

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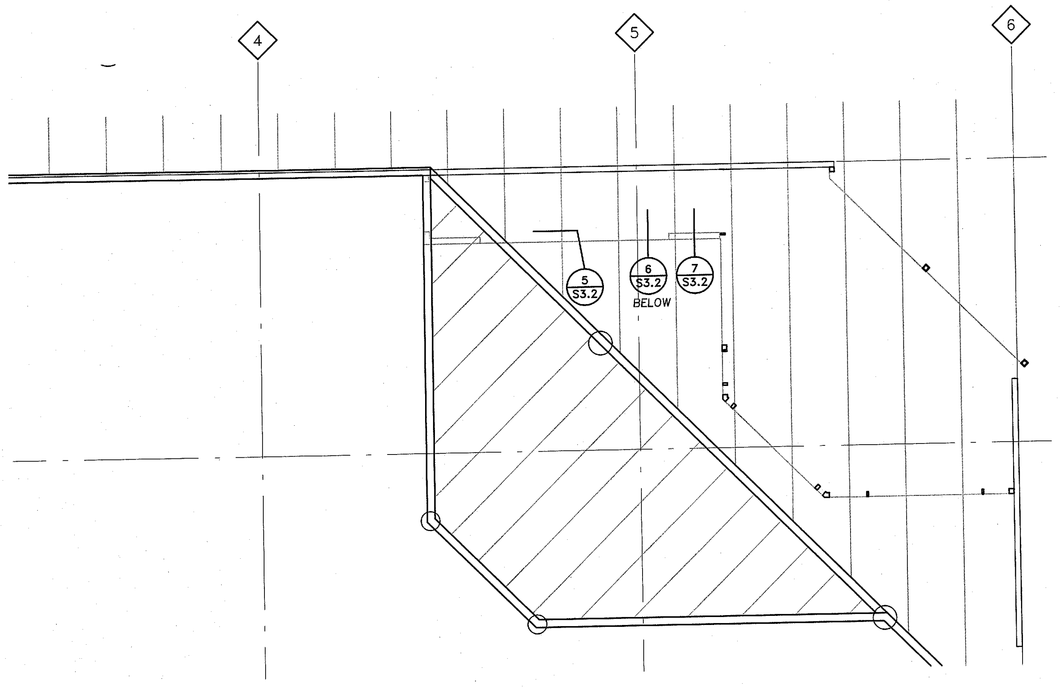
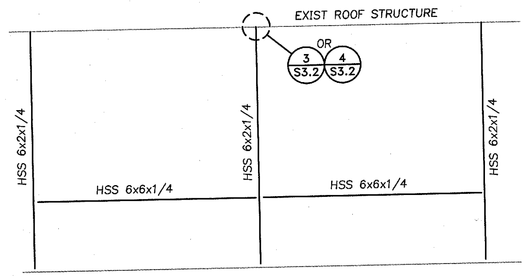


1 S3.2 FOD ENTRY ROOF FRAMING PLAN
1/8"=1'-0"



2 S3.2 STOREFRONT ELEVATION
1/8"=1'-0"

LEGEND

A — GRID LINE

02 001 — KEYNOTE

GENERAL NOTES

A. LOCATE CENTERLINES OF FOOTINGS AT CENTERLINES OF COLUMNS &/OR WALL/PILASTERS UNLESS OTHERWISE NOTED.
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C. SEE ARCHITECTURAL/MECHANICAL FOR ADDITIONAL INFORMATION.

KEYNOTES

DIVISION 02 EXISTING CONDITIONS

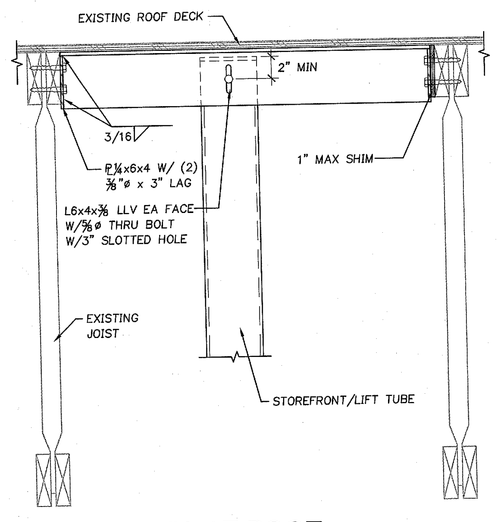
02 001 (E) SLAB ON GRADE. SAWCUT & REPLACE AS REQ'D W/ 4" SLAB. SEE ARCH FOR EXTENT. SEE ASD-69 FOR MORE INFO.

02 002 (E) FRAMING

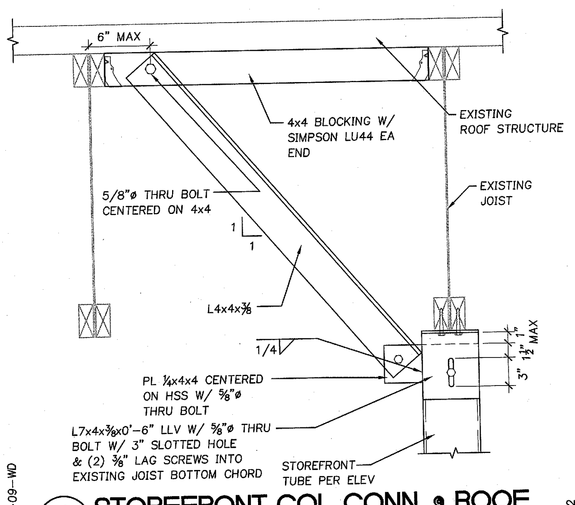
DIVISION 03 CONCRETE

03 001 4" SLAB ON GRADE. SEE ARCH FOR EXTENT SEE ASD-69 FOR MORE INFORMATION.

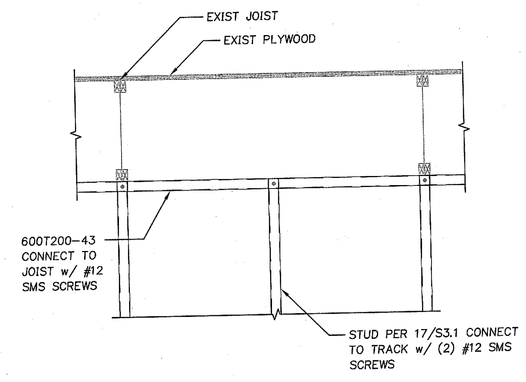
03 002 4'-0" x 1'-6" x CONT. FTG W/ #4 @ 12" O.C. TRANS REINF. & (5) #4 LONG REINF.



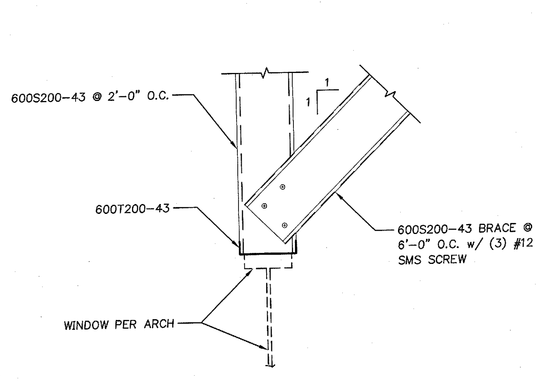
3 S3.2 HSS CONN. AT ROOF
1 1/2"=1'-0"



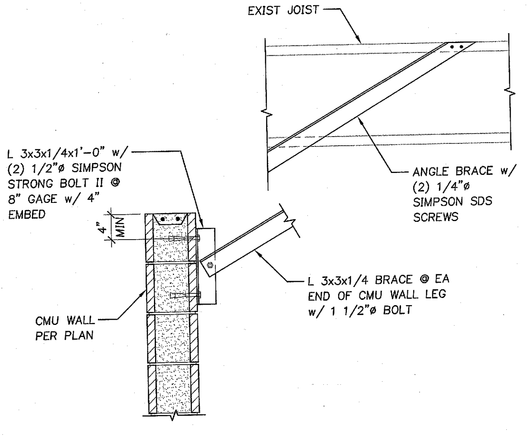
4 S3.2 STOREFRONT COL CONN. @ ROOF
WHERE EXIST JOIST INTERFERES W/ TUBE
1 1/2"=1'-0"



5 S3.2 STUD WALL TOP CONNECTION
1"=1'-0"
S3.1-16



6 S3.2 STUD WALL ABOVE WINDOW
1 1/2"=1'-0"
S3.1-17



7 S3.2 CMU WALL CONNECTION AT ROOF
1"=1'-0"
S3.1-19

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SHEET TITLE:
FOD ENTRY FRAMING PLAN

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DRAWN BY: CRW

CHECKED BY: NKH, JDM

SHEET
S3.2

215034600

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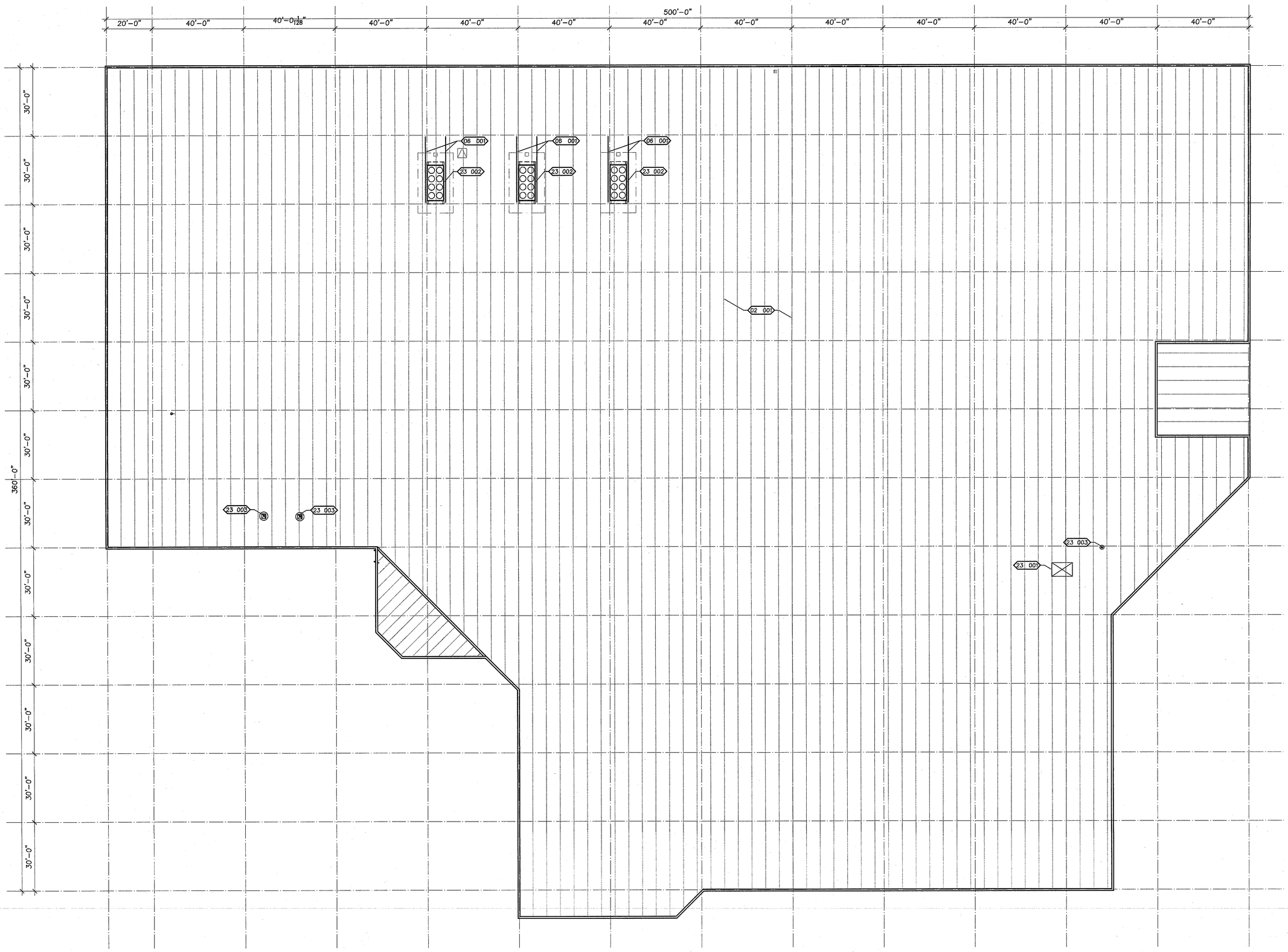


1 S3.3 ROOF FRAMING PLAN
N.T.S

LEGEND

A — GRID LINE

02 001 — KEYNOTE

GENERAL NOTES

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS & CONSULT W/ ENGINEER OF RECORD IF FIELD CONDITIONS DIFFER FROM ORIGINAL PLANS. SEE ARCHITECTURAL/MECHANICAL FOR ADDITIONAL INFORMATION.

KEYNOTES

DIVISION 02 EXISTING CONDITIONS

02 001 EXISTING FRAMING

DIVISION 23 HVAC

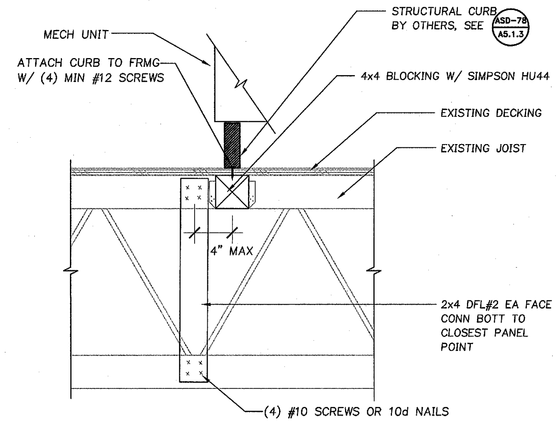
23 001 1,500# MAX WT MECH UNIT. SEE 2/S3.3 & MECHANICAL FOR MORE INFORMATION. LOCATION PER ARCH.

23 002 3,000# MAX WT CONDENSER UNIT. SEE 4/S3.3 & REFRIGERATION FOR MORE INFORMATION. LOCATION PER ARCH.

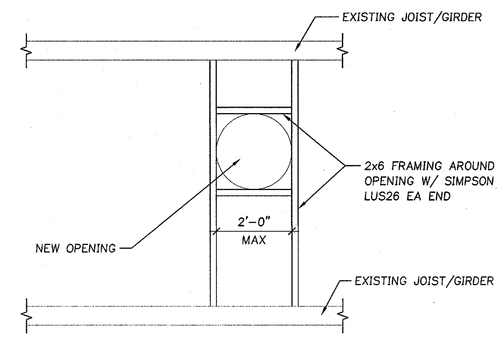
23 003 200# MAX WT HOOD. SEE 6/S3.3 & MECHANICAL FOR MORE INFORMATION. LOCATION PER ARCH.

DIVISION 06 WOOD

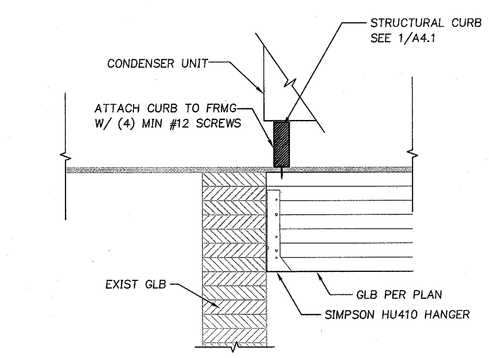
06 001 GLB 3½x12 W/ 1" CAMBER



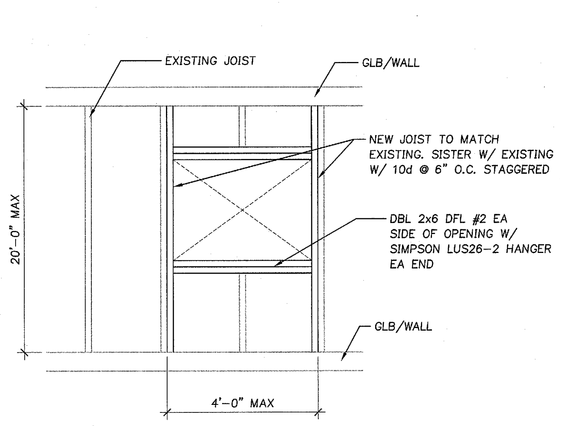
2 S3.3 MECHANICAL UNIT FRAMING
1,200 # MAX UNIT — 1 1/2" = 1'-0"



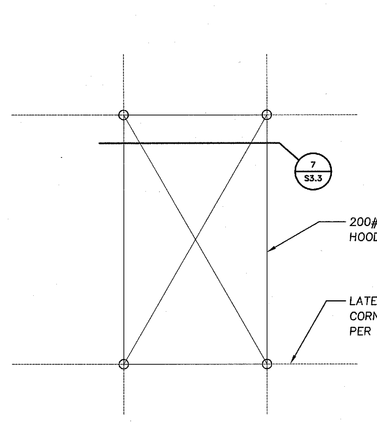
3 S3.3 OPENING IN WOOD ROOF
1/2"=1'-0"



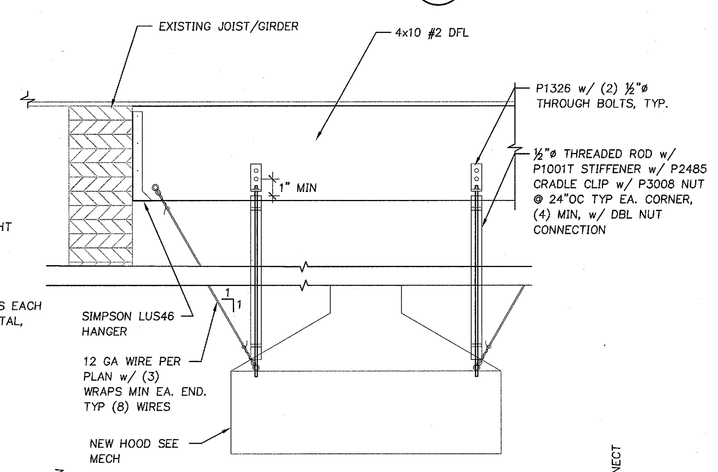
4 S3.3 GLB TO EXIST GLB
3000 LB MAX UNIT — 1 1/2" = 1'-0"



5 S3.3 TYP NEW OPENING IN ROOF
1/2"=1'-0"



6 S3.3 HOOD CONNECTION
500# MAX WEIGHT — NTS



7 S3.3 HOOD CONNECTION
NTS

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NABIL KAUSAL-HAYES — STATE OF WASHINGTON — 46136 — REGISTERED PROFESSIONAL ENGINEER — 12/17/15

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SHEET TITLE:
ROOF FRAMING PLAN

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DRAWN BY: CEJ

CHECKED BY: NKH

SHEET
S3.3

JOB NO. 215034600.00

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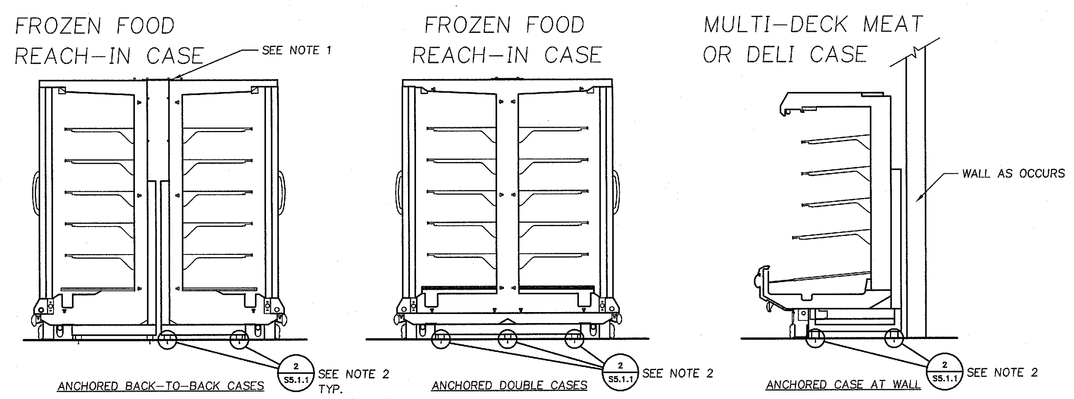
215034600\A_DRAWINGS\STRUCTURAL\346-S3-3.DWG PPC 12/17/15 08:23 1:20.00

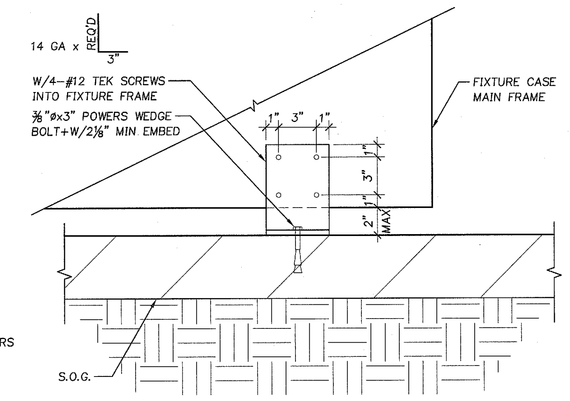
FM-RF-01-MD
FM-RF-02-CRW-06
FM-RF-03-TD-19A
FM-RF-04-HOOD PLAN
FM-RF-05-HOOD CONNECT

NOTES:

1. GALVANIZED SIMPSON LSTA12 EA CORNER W/ 4–#10 TEK INTO TOP OF EACH CASE
2. WHERE ADJACENT CASES OCCUR,PROVIDE TWO ANCHORS PER 2/S5.1.1 AT EACH SHARED FRAME PRIOR BOLTING ADJACENT CASES



1 S5.1.1 HUSSMAN REFRIGERATED CASE ANCHORAGE DETAILS
NTS



2 S5.1.1 FIXTURE ANCHOR
NTS 2"=1'–0"

FIXTURE ANCH

REF CASE ANCHORS

THIS DRAWING REPRESENTS ONLY THE ANCHORAGE OF MOVABLE SHELVING RACKS, FIXTURES, STORAGE RACKS, AND REFRIGERATION CASES. THE DESIGN OF MOVABLE SHELVING RACKS, FIXTURES, STORAGE RACKS, AND REFRIGERATION CASES IS BY MANUF.

MOVEABLE SHELVING RACK AND FIXTURE SPECIAL INSPECTION PROTOCOL:

1. ANCHORAGE OF FLOOR–MOUNTED REFRIGERATION CASES: PROVIDE CONTINUOUS INSPECTION OF 10% OF THE ENTIRE QUANTITY OF ANCHORS TO BE INSTALLED. INSPECTION MAY BE CONDUCTED ON ANY GIVEN DAY TO REPRESENT 10% OF THE ANCHORS USED FOR THIS TYPE OF EQUIPMENT. PROVIDED THERE ARE NO DISCREPANCIES, IT IS ACCEPTABLE TO PROVIDE PERIODIC VISUAL INSPECTION OF THE REMAINING ANCHORAGES. THIS PERIODIC VISUAL INSPECTION SHALL CONSIST OF VERIFYING THAT THE TYPES, SIZES, LOCATIONS AND QUANTITIES OF ANCHORS CONFORM TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
2. ANCHORS: THE SPECIAL INSPECTION PROTOCOL ABOVE APPLIES ONLY TO THE "WEDGE BOLT+" ANCHOR BY POWERS FASTENERS (ESR 2526) DATED DECEMBER, 2008). NO SUBSTITUTIONS ARE PERMITTED WITHOUT PRIOR APPROVAL BY THE ENGINEER ON RECORD.

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REFRIGERATION ANCHORAGE DETAILS

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S5.1.1

215457

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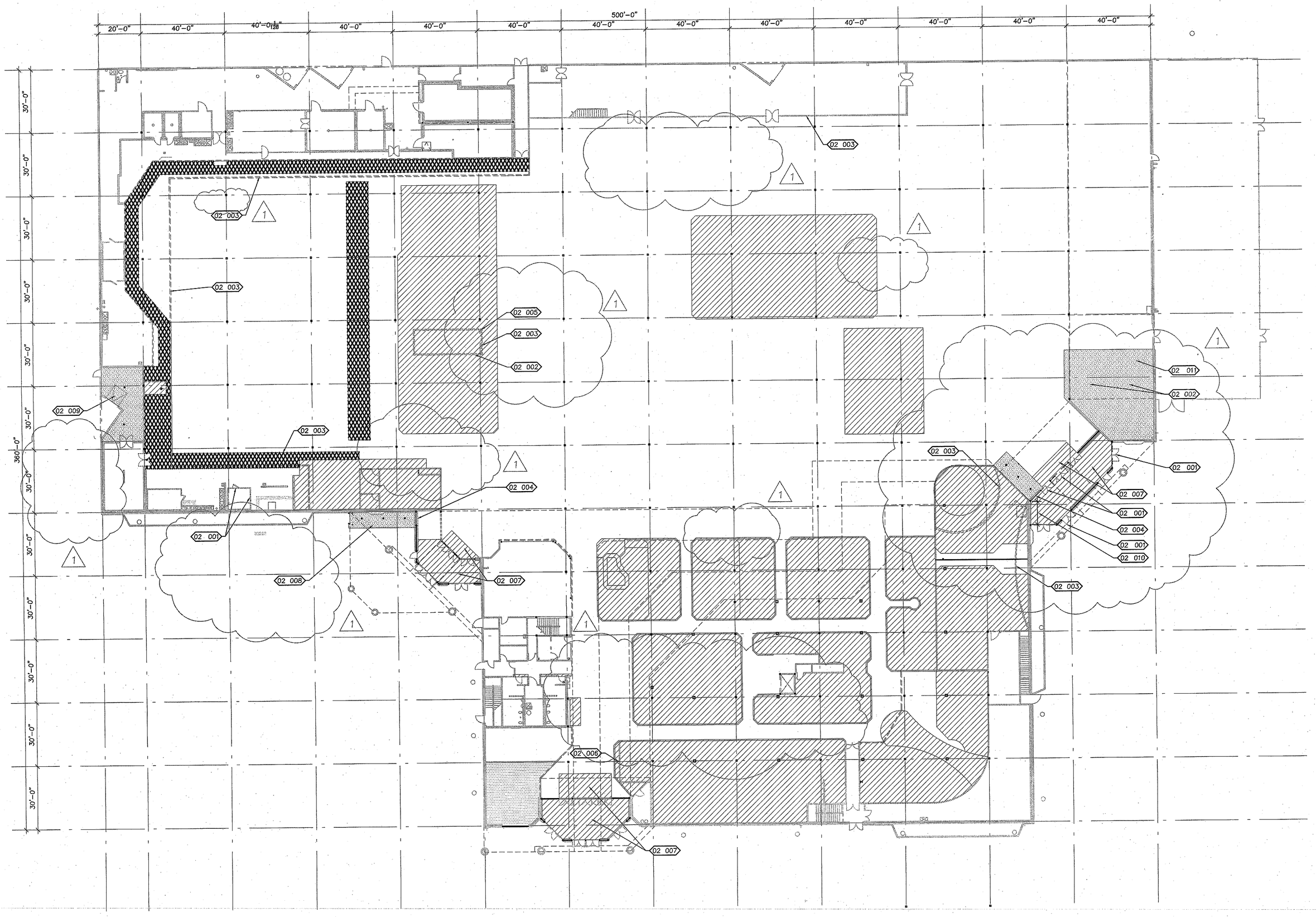

1 AD1.1 DEMOLITION FLOOR PLAN

1"=20'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ALL ASD/GISD LOCATIONS AS APPLIES.
B. THIS PLAN INDICATES A GENERAL DEMOLITION SCOPE OF WORK TO BE PERFORMED AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE THE BUILDING MODIFICATIONS AS SHOWN AND REQUIRED BY THE CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO STRUCTURAL, PLUMBING, REFRIGERATION, HVAC, ELECTRICAL, THE OWNERS SCOPE OF WORK, FIXTURE PLAN, SIGNAGE AND DECOR.
C. PROTECT FROM DAMAGE DURING CONSTRUCTION ALL (E) WALLS, FLOORS, CEILINGS, ETC. THAT ARE TO REMAIN.
D. SCHEDULE AND PERFORM THE WORK SO THAT NO DAMAGE OR INTERRUPTIONS TO TENANT SPACES OUTSIDE THE AREAS OF WORK SHALL OCCUR.
E. PROVIDE TEMPORARY BRACING AS REQUIRED TO MAINTAIN STRUCTURAL STABILITY OF THE (E) STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
F. SEE PHASING PLAN FOR ALL REQUIRED PHASING INFORMATION.
G. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AROUND PHASES OF DEMOLITION AND (N) WORK PER ASD/GISD REFER TO OWNER PHASING PLAN FOR EXTENT OF PHASE.
H. FOR TEMPORARY CONSTRUCTION PARTITIONS AT EXTERIOR, SEE ASDs/GISDS.
I. MAINTAIN EXITS AS REQUIRED BY AUTHORITY HAVING JURISDICTION DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
J. VERIFY THAT ALL PARTITIONS TO BE REMOVED ARE NON-LOAD BEARING PRIOR TO REMOVAL AND NOTIFY ARCHITECT IF CONDITIONS ARE NOT AS INDICATED.
K. PATCH AND REPAIR ANY DAMAGED PORTIONS OF THE BUILDING AND MATCH (N) SUBSTRATE TO (E) ADJACENT SURFACES. ALL SURFACES TO RECEIVE (N) FINISHES AS NOTED PER FINISH SCHEDULE AND PLAN.
L. REMOVE (E) WALL FINISHES AND SHEATHING IF RECEIVING (N), AND PREPARE WALL SUBSTRATES TO RECEIVE FINAL FINISHES.
M. COORDINATE REMOVAL AND STORAGE OF ALL (E) DOORS, EQUIPMENT AND FIXTURES TO BE RELOCATED.
N. PREP ALL DEMOLISHED FLOOR SLAB AREAS FOR CONCRETE POURBACK PER ASD/GISD.
OWNER'S FLOOR FINISH VENDOR SHALL PROVIDE THE FOLLOWING:
1. DEMOLITION OF (E) FLOOR FINISHES ON ALL FLOORS WHERE REQUIRED, INCLUDING BUT NOT LIMITED TO VCT, CARPET, ALL TILE AND ENTRY MATS.
CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
1. REMOVAL AND REPLACEMENT OF CONCRETE AS NOTED ON PLANS
2. REMOVAL OF ALL REFRIGERATED CASE KICK PLATES AND ASSOCIATED ACCESSORIES IN ORDER TO ENSURE (N) FINISHES CONTINUE UNDER (E) EQUIPMENT.
3. COORDINATION AND REMOVAL, IF NECESSARY, OF (E) UTILITIES.
O. CONTRACTOR TO DEMOLISH FIXTURES AND REFRIGERATION EQUIPMENT AS INDICATED IN THE OWNERS FIXTURE PLAN AND REFERENCE PLAN.
P. CONTRACTOR TO RETAIN SPECIFIC FIXTURES IN BOTH THE ALE AND HOM DEPARTMENTS. THESE FIXTURES AND THE SPECIFIC DEMOLITION WORK RELATED TO THEM ARE TO BE REVIEWED AND APPROVED BY THE KROGER PROJECT MANAGER PRIOR TO THE START OF DEMOLITION WORK IN THESE AREAS. THEY ARE TO INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
ALE – FIXTURES INCLUDING ROUNDERS, TRIARACHES, SPACE SAVERS, ARMS AND BRACKETS, BRANDED TABLES, FORMS AND MANNEQUINS, AND WHITE GRID.
HOM – UP TO 100' OF GONDOLA AND SHELVING, HEAVY DUTY PEGS, MISSION TABLES, HALOS (HSW SHELVING), AND GARDEN SLANT RACK.
Q. CONTRACTOR TO DEMOLISH ALL (E) INTERIOR SIGNAGE & GRAPHICS. SEE OWNERS SIGNAGE & GRAPHICS DRAWINGS FOR ANY (E) SIGNAGE TO BE RETAINED AND RELOCATED. AT LOCATIONS WHERE REMOVAL OF (E) SIGNAGE & GRAPHICS AND DECOR DAMAGES (E) SUBSTRATE TO REMAIN, PATCH, REPAIR AND PREP FOR (N) DECOR.
R. WHERE GENERAL CONTRACTOR HAS DEMOLISHED PLUMBING, MECHANICAL OR ELECTRICAL ITEMS, LINES, CONDUITS, PIPES, FIXTURES ETC., PLUG AND CAP PIPES, CONDUITS, LINES, ETC. BELOW FLOOR, BEHIND FACE OF WALL AND ABOVE CEILING AS NECESSARY. PATCH AND REPAIR FLOOR/WALL/CEILING AS REQUIRED.
S. SEE PLUMBING DRAWINGS FOR LOCATION OF (E) TO REMAIN AND (N) FLOOR DRAINS. DEMOLISH EXISTING FLOOR AS REQUIRED. CLEAN AND PREP FOR (N) WORK.
T. CEILING DEMOLITION NOT SHOWN, SEE RCP AND ENLARGED SHEETS FOR FINISHED SCOPE OF WORK. ALL DEMOLITION REQUIRED TO ACHIEVE A COMPLETE AND FINAL PRODUCT TO BE INCLUDED IN CONTRACTORS SCOPE OF WORK.
U. DEMOLISH CEILING DRAFTSTOPS AT AREAS OF DEMOLISHED CEILINGS WHERE AREA WILL BE OTS.
V. ALL FIXTURES, EQUIPMENT, CASEWORK, FURNITURE AND SIMILAR ITEMS SHOWN ON THE FIXTURE AND/OR PHASING PLAN AS EXISTING TO REMAIN, MUST BE MOVED BY CONTRACTOR A MINIMUM OF TWO TIMES: 1) TO A TEMPORARY LOCATION, AND 2) BACK TO ORIGINAL LOCATION. THESE ITEMS MUST ALSO BE SEISMICALLY ANCHORED WHEN MOVED BACK TO ORIGINAL LOCATION.
W. FOR BOLLARDS TO BE REMOVED – DEMOLISH SLAB FOR REMOVAL AND POUR BACK PER ASD/GISD.
X. MODIFY (E) FLOOR CLEAN OUT HEIGHT FOR (N) FLOOR LEVEL WHERE REQUIRED. PATCH AND REPAIR CONCRETE AS REQUIRED
Y. SEE ELECTRICAL FOR LOCATIONS OF UNDER FLOOR DUCT SYSTEM. COORDINATE REQUIREMENTS AT (E) AND (N) SLABS.
Z. COORDINATE ALL REFRIGERATION AND MEP TRENCHING REQUIRED IN (E) SLAB. POUR BACK PER ASD/GISD.
AA. DEMOLISH ABANDONED STUB-UPS AT PEM DEPARTMENT COORDINATE w/ MEP
AB. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AT ENTRY WORK OF GALVANIZED STEEL CHAIN LINK FENCING WITH GREEN FABRIC SCREEN. REFER TO SPEC SECTION 00 72 14, PARAGRAPH 3.5.9 FOR ADDITIONAL INFORMATION.

LEGEND

EXISTING
- EXISTING TO REMAIN
- EXISTING FLOORING TO REMAIN
- NO WORK IN THIS AREA, EXISTING TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT
- EXISTING FASCIA/ROOF/ OVERHANG ABOVE
- EXISTING SOFFIT ABOVE

TO BE DEMOLISHED
- WALL, DOOR, STOREFRONT, SOFFIT/FASCIA, FIXTURE, ETC.
- FLOORING
- FLOORING AND SLAB
- CONCRETE
- BLACK & WHITE VCTGENERAL AREA OF EXISTING BLACK & WHITE VCT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION & EXTENTS OF ALL BLACK & WHITE VCT PRIOR TO BID SUBMITTAL. REMOVE ALL AREAS OF BLACK & WHITE VCT.

KEYNOTES

1

DIVISION 02 EXISTING CONDITIONS | DEMOLITION

02 001 DEMO DOOR(S) AND MODIFY WALL AS REQUIRED FOR (N) DOOR SIZE
02 002 DEMO AND CAP ALL PLUMBING
02 003 DEMO (E) FASCIA
02 004 DEMO STOREFRONT AS REQUIRED FOR NEW BASKART STORAGE
02 005 DEMO (E) PRODUCE PREP KIOSK MOVE TO PRODUCE STORAGE
02 006 DEMO (E) DISPLAY WALL
02 007 DEMO (E) INTERIOR WALK-OFF MAT, REPLACE DAMAGED VCT AREAS WITH NEW VCT TO MATCH
02 008 DEMO SLAB AS REQUIRED FOR NEW BASKART STORAGE
02 009 DEMO (E) DOCK LEVELER, OH DOOR, BUMPERS, & SEAL. PREP AREA FOR NEW WORK
02 010 DEMO (E) WALL COVERING
02 011 DEMO (E) QUARRY TILE

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7301 REGISTERED ARCHITECT
TERRY ALLEN KRAUSE
STATE OF WASHINGTON

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CITY OF KENT
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DRAWN BY: RDM, DES

CHECKED BY: TAK

SHEET
AD1.1

JOB NO. 215034600.0

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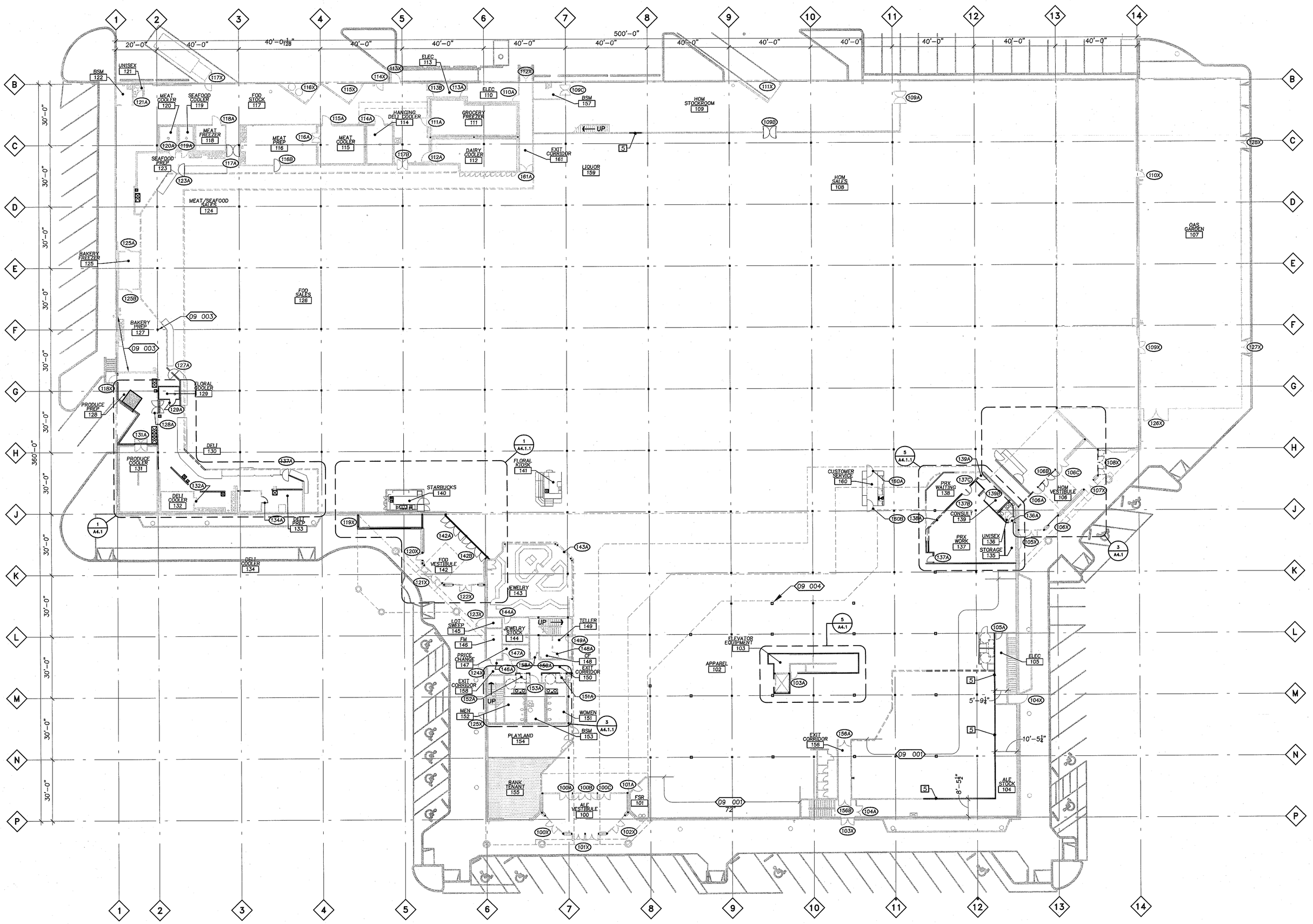

1 A1.1 FLOOR PLAN

1"=20'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ALL ASD/GISD LOCATIONS AS APPLIES.
B. FIXTURES SHOWN FOR REFERENCE ONLY, SEE FIXTURE PLAN FOR FIXTURE LAYOUT.
C. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALES.
D. DETAIL REFERENCES APPLY TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR.
E. FOR WALL TYPE INFORMATION SEE SHEET A3.2 & A3.2.1.
F. FOR MATERIALS AND FINISHES SEE FINISH SCHEDULE, INTERIOR ELEVATIONS AND SPECIFICATIONS. VERIFY ALL FINISHES WITH SIGNAGE AND DECOR DRAWINGS.
G. DIMENSIONS ARE GIVEN TO COLUMN LINES, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED. DIMENSIONS MARKED "CLR" ARE FROM FINISH SURFACE TO FINISH SURFACE.
H. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB TYPICAL.
I. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS.
J. CONTRACTOR TO VERIFY REFRIGERATED SPACE DIMENSIONS AND DOOR LOCATIONS WITH COOLER BOX MFR PRIOR TO CONSTRUCTION OF ADJACENT CURBS AND/OR WALLS.
K. MAINTAIN EXITS AS REQ'D BY AUTHORITY HAVING JURISDICTION DURING ALL PHASES OF CONSTRUCTION.
L. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AT ALL PHASES OF CONSTRUCTION PER ASD. SEE OWNER PHASING PLAN AND SCHEDULE.
M. CONTRACTOR TO PATCH AND REPAIR ALL WALLS WHERE REQUIRED DUE TO DEMOLITION, NEW WORK, OR AS REQUIRED TO REPAIR (E) DAMAGED CONDITIONS.
N. WALL CONSTRUCTION AND FINISHES ADJACENT TO DOORS AND STOREFRONT CONTINUE OVER TOP OF DOOR AND/OR STOREFRONT UNLESS NOTED OR DETAILED OTHERWISE.
O. PROVIDE BLOCKING IN ALL PARTITIONS FOR ALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: FIRE EXTINGUISHERS, EQUIPMENT RACKS, GATES, HOSE RACKS, MOP/BROOM RACKS, POT RACKS, TOILET PARTITIONS, BASCART DOOR OPERATORS, WALL MOUNTED DESKS, WALL MOUNTED COMPUTER WORK STATIONS, WALL MOUNTED SHELVING, WALL MOUNTED CABINETRY, FLAT-SCREEN WALL MOUNTED TELEVISIONS, DECOR/SIGNAGE, TYP. METAL STUD WALLS IN PREP AREA ROOMS WITH SHELVING TO FOLLOW BLOCKING PATTERN AS PROVIDED AT PREFAB INSULATED WALLS, COORD AS REQ'D.
P. ALL NEW GYPSUM BOARD ON INTERIOR PARTITIONS AND EXTERIOR WALLS BEHIND CASES AND SHELVING TO STOP AT 6'-0" AFF, SEE PLANS AND FIXTURE PLAN FOR FURTHER INFO.
Q. AT GYP BOARD PROVIDE EXPANSION JOINTS AND CONTROL JOINTS AS REQUIRED PER 11 / A1.3-1
R. ROUTE DROPS FOR REFRIGERATED CASES AS INDICATED ON GISD. GROUP DROPS TO MINIMIZE THE LOCATIONS OF WRAP. PAINT WRAP TO MATCH COLUMN.
S. PROVIDE INSULATION/PADDING AT ALL EXPOSED PIPING UNDER SINKS PER CODE.
T. PROVIDE STAINLESS STEEL CLOSURE AT TILE TERMINATION AROUND FREEZER/COOLER DOORS, SEE ENLARGED PLANS.
U. PROVIDE REFRIGERATED CASE CORNER GUARDS, REMOVABLE PROTECTIVE POSTS, AND BOLLARDS AS REQ'D PER ASD/GISD, COORDINATE LOCATIONS W/ FIXTURE PLAN.
V. AT ALL FENCING AND HANDRAILS TO REMAIN, TOUCH UP GALVANIZING AND/OR PAINT TO MATCH BLDG WALL COLOR AS REQ'D AT AREAS OF RUSTING. FIELD VERIFY TYPE @ EACH LOCATION.
W. PROVIDE NEW CAULKING AT ALL (E) EXTERIOR PENETRATIONS. REPAIR ALL ESCUTCHEONS AS REQUIRED.
X. PROVIDE SS SPLASH GUARDS AT HAND WASH SINKS IN PREP AREAS.
Y. REFER TO SHEET A6.3 FOR COLUMN FINISH NOTES.
Z. PATCH AND REPAIR (E) COLUMN WRAPS AS REQUIRED AT ALL COLUMN WRAPS IN ALE

LEGEND

EXISTING
- EXTERIOR WALL/INTERIOR PARTITION/WALK-IN BOX WALL/LOW WALL/FURRING
- STOREFRONT
- FASCIA ABOVE
- SOFFIT/ROOF/OVERHANG ABOVE
- CHAIN LINK FENCE & GATES
- FIXTURES SHOWN FOR REFERENCE ONLY, SEE I1.1 FIXTURE PLAN – OWNER PROVIDED
- NO WORK IN THIS AREA, EXISTING TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT
- DOOR, SEE SCHEDULE

NEW
- EXTERIOR CMU WALL W/ FURRING
- INTERIOR PARTITION/ FURRING
- LOW WALL PARTITION
- WALK-IN BOX WALL
- STOREFRONT
- FASCIA ABOVE
- SOFFIT/ROOF/OVERHANG ABOVE
- FIXTURES SHOWN FOR REFERENCE ONLY, SEE I1.1 FIXTURE PLAN – OWNER PROVIDED
- DOOR, SEE SCHEDULE

KEYNOTES

DIVISION 09 FINISHES

09 001 EXTEND WALL FRAMING/SHEATHING TO ROOF DECK
09 002 PROVIDE WOOD STRIPPING BEHIND FIXTURES TO HEIGHT NOTED – SEE 7 / A6.2
09 003 PROVIDE FRP ON (E) WALLS
09 004 FULL HEIGHT STAINLESS STEEL COLUMN WRAP

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7301 REGISTERED ARCHITECT TERRY ALLEN KRAUSE STATE OF WASHINGTON

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REVISIONS:

REVISION DELTA NUMBER	REVISIONS SHEET	REVISION DELTA CLOSING DATE

RECEIVED
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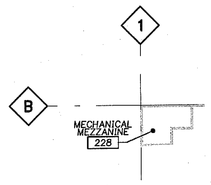
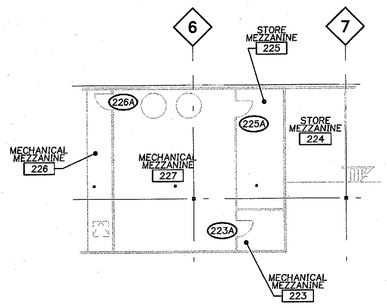
SHEET TITLE: FLOOR PLAN

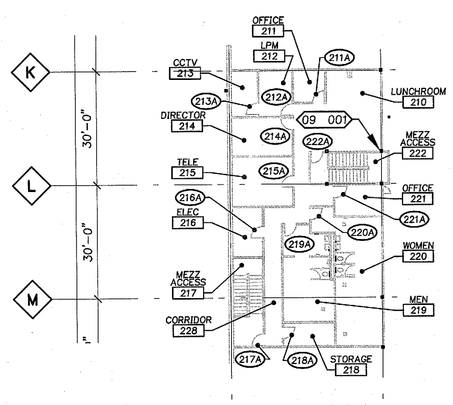
DRAWN BY: RDM
CHECKED BY: TAK
SHEET A1.1
JOB NO. 215034600.00

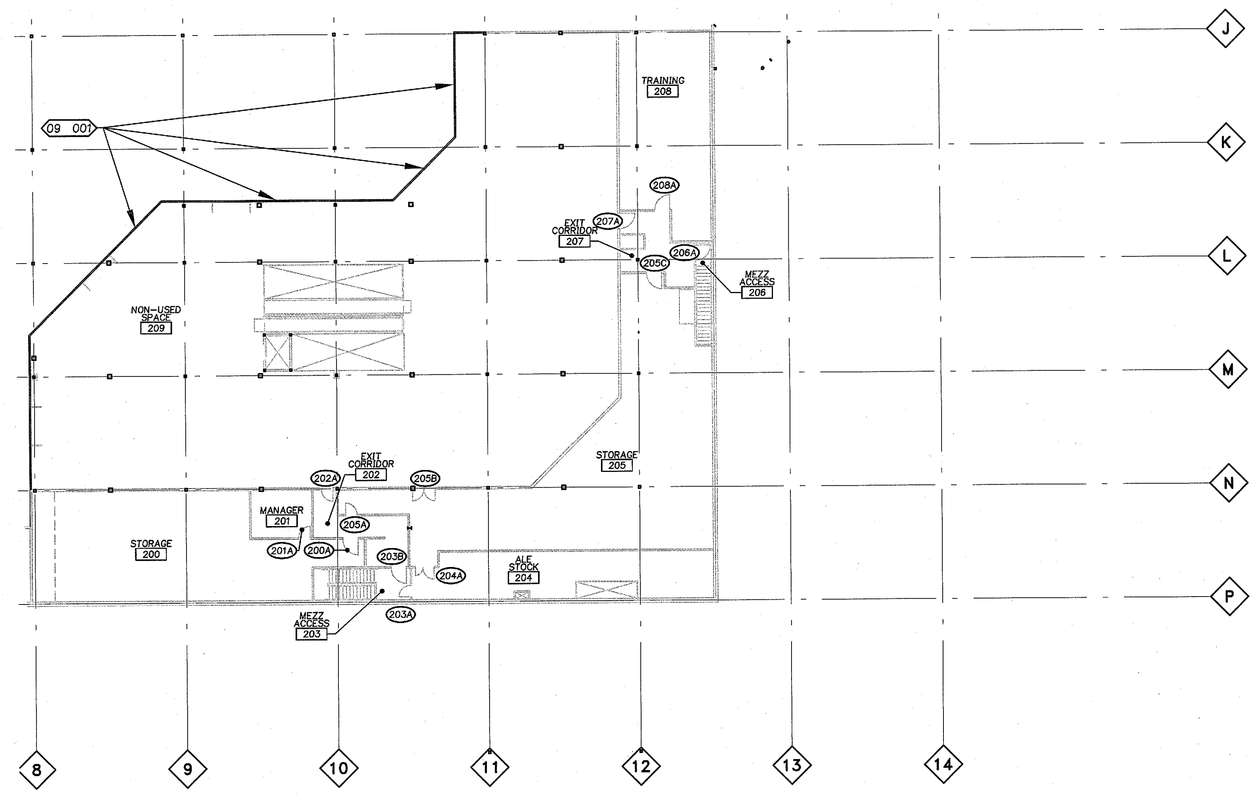
215,567™

PERMIT SET: DECEMBER 21, 2015









1 A1.1.1 FLOOR PLAN
1"=20'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ALL ASD/GISD LOCATIONS AS APPLIES.
B. FIXTURES SHOWN FOR REFERENCE ONLY, SEE FIXTURE PLAN FOR FIXTURE LAYOUT.
C. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALES.
D. DETAIL REFERENCES APPLY TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR.
E. FOR WALL TYPE INFORMATION SEE SHEET A3.2 & A3.2.1.
F. FOR MATERIALS AND FINISHES SEE FINISH SCHEDULE, INTERIOR ELEVATIONS AND SPECIFICATIONS. VERIFY ALL FINISHES WITH SIGNAGE AND DECOR DRAWINGS.
G. DIMENSIONS ARE GIVEN TO COLUMN LINES, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED. DIMENSIONS MARKED "CLR" ARE FROM FINISH SURFACE TO FINISH SURFACE.
H. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB TYPICAL.
I. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS.
J. CONTRACTOR TO VERIFY REFRIGERATED SPACE DIMENSIONS AND DOOR LOCATIONS WITH COOLER BOX MFR PRIOR TO CONSTRUCTION OF ADJACENT CURBS AND/OR WALLS.
K. MAINTAIN EXITS AS REQ'D BY AUTHORITY HAVING JURISDICTION DURING ALL PHASES OF CONSTRUCTION.
L. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AT ALL PHASES OF CONSTRUCTION PER ASD. SEE OWNER PHASING PLAN AND SCHEDULE.
M. CONTRACTOR TO PATCH AND REPAIR ALL WALLS WHERE REQUIRED DUE TO DEMOLITION, NEW WORK, OR AS REQUIRED TO REPAIR (E) DAMAGED CONDITIONS.
N. WALL CONSTRUCTION AND FINISHES ADJACENT TO DOORS AND STOREFRONT CONTINUE OVER TOP OF DOOR AND/OR STOREFRONT UNLESS NOTED OR DETAILED OTHERWISE.
O. PROVIDE BLOCKING IN ALL PARTITIONS FOR ALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: FIRE EXTINGUISHERS, EQUIPMENT RACKS, GATES, HOSE RACKS, MOP/BROOM RACKS, POT RACKS, TOILET PARTITIONS, BASCART DOOR OPERATORS, WALL MOUNTED DESKS, WALL MOUNTED COMPUTER WORK STATIONS, WALL MOUNTED SHELVING, WALL MOUNTED CABINETRY, FLAT-SCREEN WALL MOUNTED TELEVISIONS, DECOR/SIGNAGE, TYP. METAL STUD WALLS IN PREP AREA ROOMS WITH SHELVING TO FOLLOW BLOCKING PATTERN AS PROVIDED AT PREFAB INSULATED WALLS, COORD AS REQ'D.
P. ALL NEW GYPSUM BOARD ON INTERIOR PARTITIONS AND EXTERIOR WALLS BEHIND CASES AND SHELVING TO STOP AT 6'-0" AFF, SEE PLANS AND FIXTURE PLAN FOR FURTHER INFO.
Q. AT GYP BOARD PROVIDE EXPANSION JOINTS AND CONTROL JOINTS AS REQUIRED PER 11 A1.3.1
R. ROUTE DROPS FOR REFRIGERATED CASES AS INDICATED ON GISD. GROUP DROPS TO MINIMIZE THE LOCATIONS OF WRAP. PAINT WRAP TO MATCH COLUMN.
S. PROVIDE INSULATION/PADDING AT ALL EXPOSED PIPING UNDER SINKS PER CODE.
T. PROVIDE STAINLESS STEEL CLOSURE AT TILE TERMINATION AROUND FREEZER/COOLER DOORS, SEE ENLARGED PLANS.
U. PROVIDE REFRIGERATED CASE CORNER GUARDS, REMOVABLE PROTECTIVE POSTS, AND BOLLARDS AS REQ'D PER ASD/GISD, COORDINATE LOCATIONS W/ FIXTURE PLAN.
V. AT ALL FENCING AND HANDRAILS TO REMAIN, TOUCH UP GALVANIZING AND/OR PAINT TO MATCH BLDG WALL COLOR AS REQ'D AT AREAS OF RUSTING. FIELD VERIFY TYPE @ EACH LOCATION.
W. PROVIDE NEW CAULKING AT ALL (E) EXTERIOR PENETRATIONS. REPAIR ALL ESCUTCHEONS AS REQUIRED.
X. PROVIDE SS SPLASH GUARDS AT HAND WASH SINKS IN PREP AREAS.
Y. REFER TO SHEET A6.3 FOR COLUMN FINISH NOTES.

LEGEND

EXISTING
- EXTERIOR WALL/INTERIOR PARTITION/WALK-IN BOX WALL/LOW WALL/FURRING
- STOREFRONT
- FASCIA ABOVE
- SOFFIT/ROOF/OVERHANG ABOVE
- FIXTURES SHOWN FOR REFERENCE ONLY, SEE I1.1 FIXTURE PLAN – OWNER PROVIDED
- NO WORK IN THIS AREA, EXISTING TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT

NEW
- EXTERIOR CMU WALL W/ FURRING
- INTERIOR PARTITION/ FURRING
- LOW WALL PARTITION
- WALK-IN BOX WALL
- STOREFRONT
- FASCIA ABOVE
- SOFFIT/ROOF/OVERHANG ABOVE
- FIXTURES SHOWN FOR REFERENCE ONLY, SEE I1.1 FIXTURE PLAN – OWNER PROVIDED

KEYNOTES

DIVISION 09 FINISHES

09 001 EXTEND WALL FRAMING/SHEATHING TO ROOF DECK
09 002 (N) PAINT AT ASSOCIATE LUNCHROOM WALLS, SEE FINISH SCHEDULE SHEET A6.3

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CHECKED BY: TAK
SHEET
A1.1.1

215454

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

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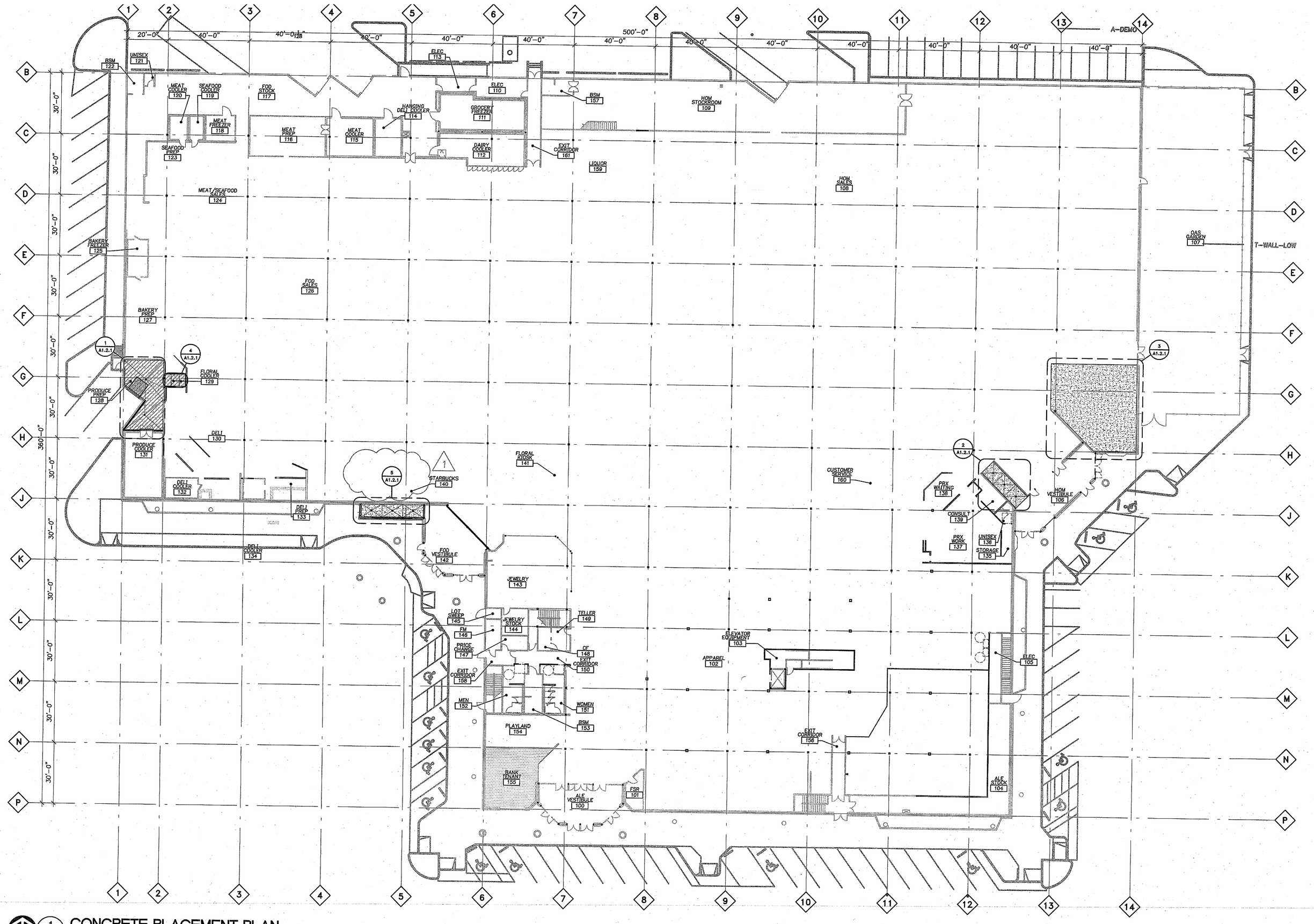

1 A1.2 CONCRETE PLACEMENT PLAN

1"=20'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ALL ASD/GISD LOCATIONS AS APPLIES.
B. DIMENSIONS ARE GIVEN TO COLUMN LINES, EDGE OF CONCRETE, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED
C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS
D. INTERIOR FLOOR SLAB THICKNESS TO MATCH (E) UNO
E. FINISHES NOTED ON THIS PLAN ARE FOR COORDINATION PURPOSES TO PREP NEW CONCRETE ONLY, FOR ALL FINISHES INCLUDING FINISHES ON (E) TO REMAIN FLOORS AND (E) CONCRETE, SEE FINISH FLOOR PLAN A1.6
F. DO NOT OVER-CUT CONC SLAB. CHIP OUT CORNER FOR A CLEAN 90° CORNER
G. FOR JOINTS BETWEEN NEW AND EXISTING CONCRETE SLABS SEE ASD
H. CURBS TO BE LOCATED PER WALL LAYOUT
I. WHERE CURBS ABUT SEALED CONCRETE FLOORS, SEAL FACE AND TOP OF CURB.
J. SEAL ALL CONCRETE CURBS EXPOSED TO SALES FLOOR
K. FOR CURB CHAMFERS AT COOLER AND FREEZER DOORS, SEE ASD/GISD
L. AT VERTICAL PIPE PENETRATIONS IN THE CONCRETE CURB AT COOLER/FREEZERS MAINTAIN A MINIMUM OF 4" FROM FACE OF CONCRETE CURB TO OUTSIDE OF PIPE
M. COORDINATE ALL REQUIRED REFRIGERATION PITS AND ACCESS PIPES WITH REFRIGERATION DRAWINGS
N. ALL PERIMETERS OF SLOPED SLABS TO RECEIVE RESINOUS FLOOR TO BE RECESSED -¼" UNO
O. FLOOR DRAINS SHOWN FOR REFERENCE. COORDINATE WITH PLUMBING AND INSTALL PER ASD/GISD
P. PROVIDE NEW CONCRETE AT DEMOLISHED DRAINS AS SHOWN ON PLUMBING. RESET AND RAISE OR LOWER EXISTING DRAINS TO REMAIN TO BE FLUSH WITH NEW FLOOR FINISH
Q. MODIFY (E) FLOOR CLEAN OUT HEIGHT FOR NEW FLOOR LEVEL WHERE REQUIRED. PATCH & REPAIR CONC AS REQUIRED
R. PROVIDE 6" THICKENED SLAB AT ALL NEW TRENCH DRAINS PER ASD/GISD
S. ALL NEW CONCRETE CONTROL JOINTS EXPOSED TO SALES FLOOR TO ALIGN WITH EXISTING CONTROL JOINTS. CONTROL JOINTS SHOWN IN APPROXIMATE LOCATIONS - CONTRACTOR TO VERIFY
T. PATCH AND REPAIR (E) CHIPPED CONCRETE WITH CONCRETE TO MATCH ADJACENT. COORDINATE W/ A1.6 FOR FINISH
U. COORDINATE ALL REFRIGERATION & MEP TRENCHING REQUIRED IN EXISTING SLAB POUR BACK PER ASD/GISD, SEE FINISH PLAN FOR FLOOR FINISHES
V. COORDINATE SLAB SLOPES AND RECESSES WITH ADJACENT WALLS, COOLERS, AND EQUIPMENT
W. CONCRETE CONTROL JOINTS PER ASD/GISD, NEW CONTROL JOINTS EXPOSED TO SALES FLOOR TO MATCH EXISTING CONTROL JOINTS AND DIMENSIONS, CONTROL JOINTS SHOWN IN APPROXIMATE LOCATIONS-CONTRACTOR TO VERIFY
X. COORDINATE SLOPES IN SLAB WITH FIXTURES SHOWN FOR REFERENCE, COORDINATE WITH FIXTURE PLAN
Y. PATCH AND REPAIR CONCRETE SLABS AT INCIDENTAL DEMOLITION LOCATIONS TO MATCH ADJACENT. REFER TO A1.6 FOR FINISHES
Z. SELECT TRENCH DRAIN SIZE FROM STANDARD ONE FOOT INCREMENTS ON WIDTH OF DOOR PER ASD/GISD
AA. FLOOR DRAINS TO BE CENTERED IN SLOPED SLABS UNO

LEGEND

EXISTING

- CONCRETE SLAB TO REMAIN
- NO WORK IN THIS AREA, EXISTING TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT.

NEW

- FLOOR DRAIN - SEE PLUMBING
- SLOPED SLAB
- CONCRETE SLAB
- CONCRETE SLAB ANTI-SLIP
- CONTROL JOINT PER ASD; MATCH (E) LAYOUT AT INFILL ON SALES FLOOR
- CONCRETE CURB PER ASD
- REFRIGERATION PIT BOX AND TRENCH, SEE ASD

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON A SURVEY BY: HICKMAN & ASSOCIATES DATED:

PERMIT SET: DECEMBER 21, 2015

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1	Permit Res 2.12.15	

SHEET TITLE:
CONCRETE PLACEMENT PLAN

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FEB 19 2016
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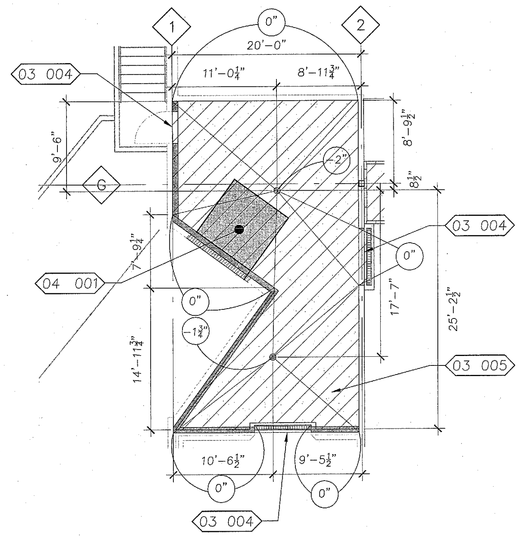
PERMIT CENTER

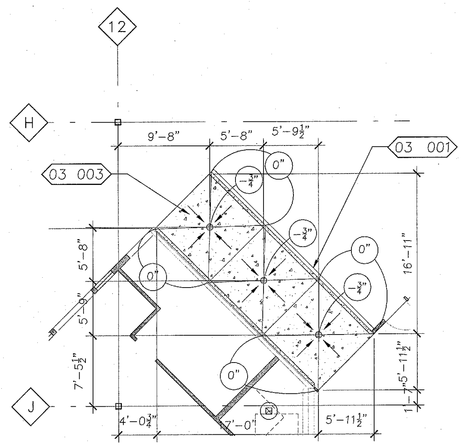
DRAWN BY: BSM
CHECKED BY: TAK

SHEET
A1.2

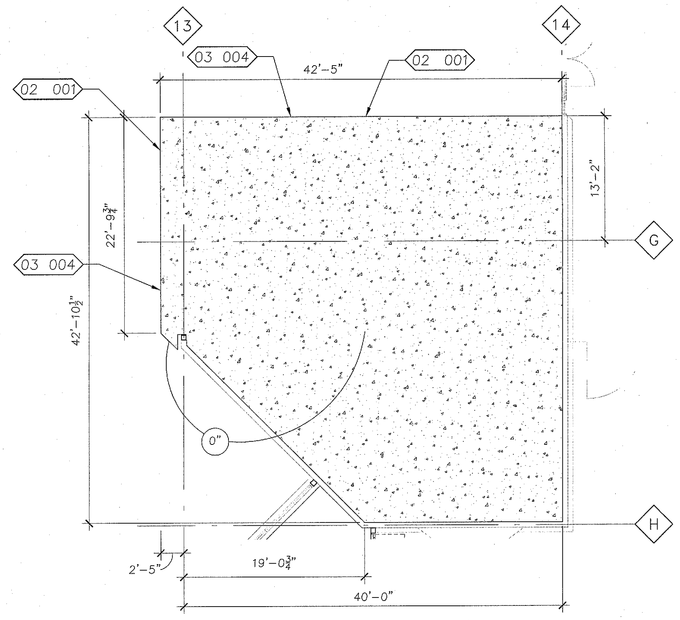
JOB NO. 215034600.00



1 A1.2.1 PRODUCE PREP CONC. PLACEMENT
1/8"=1'-0"



2 A1.2.1 HOM ENTRY BASCART AREA CONC. PLACEMENT
1/8"=1'-0"



3 A1.2.1 GARDEN CONC. PLACEMENT
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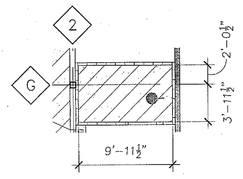

4 A1.2.1 FLORAL CONC. PLACEMENT
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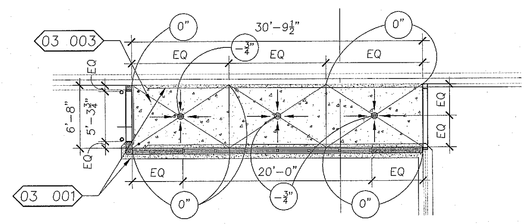

5 A1.2.1 FOD ENTRY BASCART AREA CONC. PLACEMENT
1/8"=1'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ALL ASD/GISD LOCATIONS AS APPLIES
B. DIMENSIONS ARE GIVEN TO COLUMN LINES, EDGE OF CONCRETE, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED
C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS
D. INTERIOR FLOOR SLAB THICKNESS TO MATCH (E) UNO
E. FINISHES NOTED ON THIS PLAN ARE FOR COORDINATION PURPOSES TO PREP NEW CONCRETE ONLY, FOR ALL FINISHES INCLUDING FINISHES ON (E) TO REMAIN FLOORS AND (E) CONCRETE, SEE FINISH FLOOR PLAN A1.6
F. DO NOT OVER-CUT CONC SLAB. CHIP OUT CORNER FOR A CLEAN 90° CORNER
G. FOR JOINTS BETWEEN NEW AND (E) CONCRETE SLABS SEE ASD
H. CURBS TO BE LOCATED PER WALL LAYOUT
I. WHERE CURBS ABUT SEALED CONCRETE FLOORS, SEAL FACE AND TOP OF CURB
J. SEAL ALL CONCRETE CURBS EXPOSED TO SALES FLOOR
K. FOR CURB CHAMFERS AT COOLER AND FREEZER DOORS, SEE ASD/GISD
L. AT VERTICAL PIPE PENETRATIONS IN THE CONCRETE CURB AT COOLER/FREEZERS MAINTAIN A MINIMUM OF 4" FROM FACE OF CONCRETE CURB TO OUTSIDE OF PIPE
M. COORDINATE ALL REQUIRED REFRIGERATION PITS AND ACCESS PIPES WITH REFRIGERATION DRAWINGS
N. ALL PERIMETERS OF SLOPED SLABS TO RECEIVE RESINOUS FLOOR TO BE RECESSED -¾" UNO
O. FLOOR DRAINS SHOWN FOR REFERENCE. COORDINATE WITH PLUMBING AND INSTALL PER ASD/GISD
P. PROVIDE NEW CONCRETE AT DEMOLISHED DRAINS AS SHOWN ON PLUMBING. RESET AND RAISE OR LOWER (E) DRAINS TO REMAIN TO BE FLUSH WITH NEW FLOOR FINISH
Q. MODIFY (E) FLOOR CLEAN OUT HEIGHT FOR NEW FLOOR LEVEL WHERE REQUIRED. PATCH & REPAIR CONC AS REQUIRED
R. PROVIDE 6" THICKENED SLAB AT ALL NEW TRENCH DRAINS PER ASD/GISD
S. ALL NEW CONCRETE CONTROL JOINTS EXPOSED TO SALES FLOOR TO ALIGN WITH (E) CONTROL JOINTS. CONTROL JOINTS SHOWN IN APPROXIMATE LOCATIONS – CONTRACTOR TO VERIFY
T. PATCH AND REPAIR (E) CHIPPED CONCRETE WITH CONCRETE TO MATCH ADJACENT. COORDINATE W/ A1.6 FOR FINISH
U. COORDINATE ALL REFRIGERATION & MEP TRENCHING REQUIRED IN (E) SLAB POUR BACK PER ASD/GISD, SEE FINISH PLAN FOR FLOOR FINISHES
V. CONCRETE CONTROL JOINTS PER ASD/GISD, NEW CONTROL JOINTS EXPOSED TO SALES FLOOR TO MATCH (E) CONTROL JOINTS AND DIMENSIONS, CONTROL JOINTS SHOWN IN APPROXIMATE LOCATIONS–CONTRACTOR TO VERIFY
W. COORDINATE SLOPES IN SLAB WITH FIXTURES SHOWN FOR REFERENCE, COORDINATE WITH FIXTURE PLAN
X. SELECT TRENCH DRAIN SIZE FROM STANDARD ONE FOOT INCREMENTS ON WIDTH OF DOOR PER ASD/GISD
Y. FLOOR DRAINS TO BE CENTERED IN SLOPED SLABS UNO

KEYNOTES

DIVISION 02 EXISTING CONDITIONS

02 001 FIELD VERIFY EXTENTS OF (E) FLOORING PRIOR TO BID

DIVISION 03 CONCRETE

03 001 CONCRETE CURB, MATCH (E)
03 002 MATCH (E) CURB HEIGHT
03 003 (N) CONCRETE SLAB. PERIMETER TO BE FLUSH WITH (E) SLAB, SLOPE DOWN TO DRAIN
03 004 EDGE OF (N) SLAB TO BE FLUSH WITH (E) SLAB
03 005 (N) CONCRETE SLAB AT PRODUCE PREP AREA, WITH (N) SLOPE TO DRAINS

DIVISION 04 MASONRY

04 001 INFILL THE FRONT OF THE PIT OPENING BELOW THE FINISH FLOOR LINE WITH CMU, AS IT EXTENDS DOWNWARD FROM THE DOOR OPENING

DIVISION 09 FINISHES

09 001 EXTENT OF NEW RESINOUS FLOORING

LEGEND

EXISTING

- CONCRETE SLAB TO REMAIN
- NO WORK IN THIS AREA, EXISTING TENANT TO REMAIN. CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT.

NEW

- FLOOR DRAIN – SEE PLUMBING
- SLOPED SLAB
- CONCRETE SLAB, INTEGRAL COLOR OR PDC
- CONCRETE SLAB
- INSULATED SLAB PER ASD ANTI-SLIP FINISH
- CONCRETE SLAB ANTI-SLIP FINISH
- FLAT SLAB IN SLOPED SLAB AREA
- BELOW SLAB VAPOR RETARDER
- CONCRETE CURB PER ASD
- TRENCH DRAIN PER ASD
- SLAB LEVEL TRANSITION
- REFRIGERATION PIT BOX AND TRENCH, SEE ASD
- CONTROL JOINT PER ASD

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON A SURVEY BY: MCKIMAN & ASSOCIATES DATE:

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REVISIONS:

REVISION NO.	REVISIONS	REVISION DELTA THIS SHEET	REVISION CLOUDING DATE

SHEET TITLE:
ENLARGED CONCRETE PLACEMENT PLANS

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: RDM
CHECKED BY: TAK

SHEET
A1.2.1

JOB NO. 215034600.00

215-4667

PERMIT SET: DECEMBER 21, 2015

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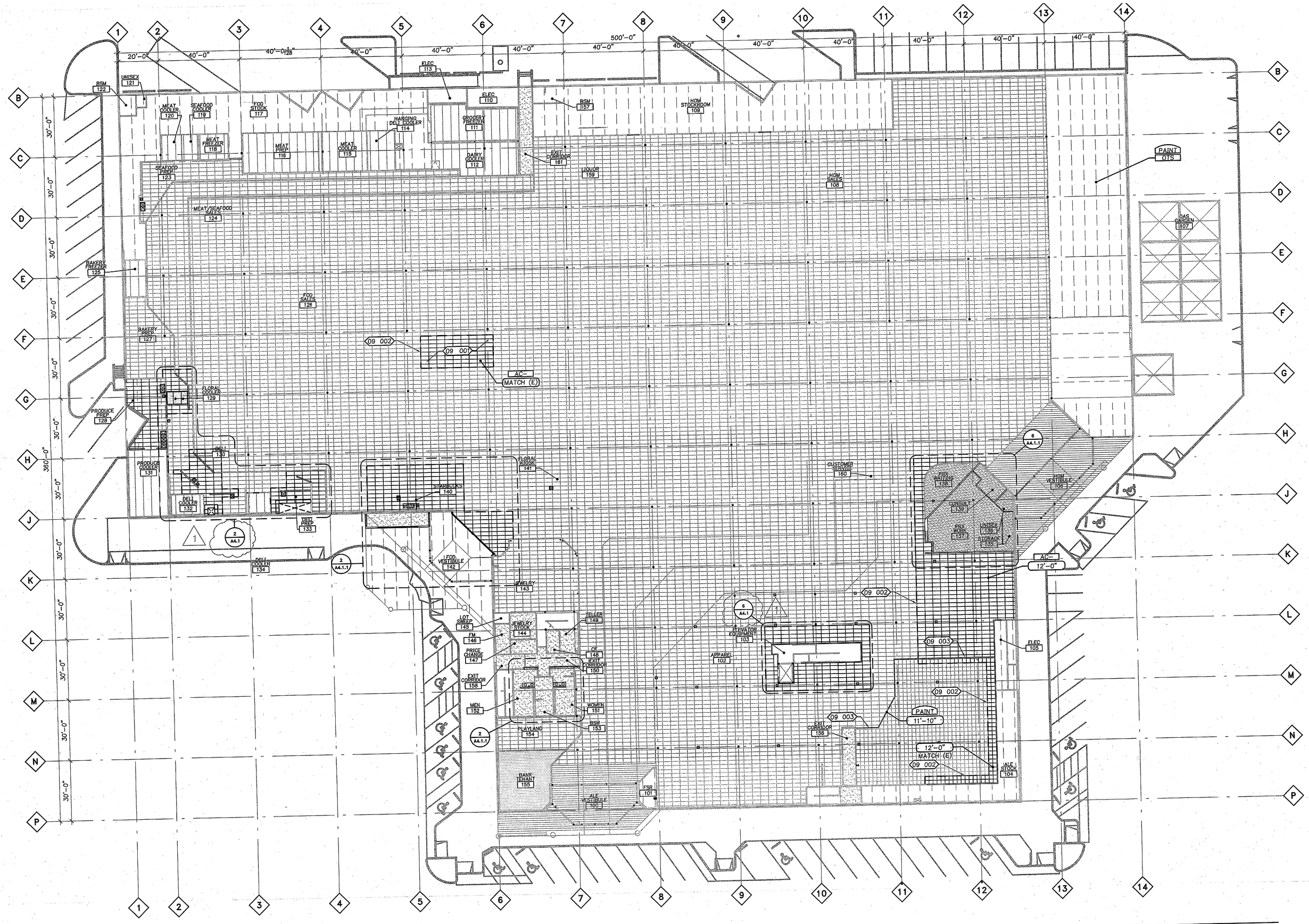

1 A1.3 REFLECTED CEILING PLAN

1"=20'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ASD/GISD LOCATIONS AS APPLIES.
B. PLAN SHOWS FINISHED SCOPE OF WORK. ALL DEMOLITION REQUIRED TO ACHIEVE A COMPLETE AND FINAL PRODUCT AS SHOWN TO BE INCLUDED WITHIN THE CONTRACTORS SCOPE OF WORK
C. DETAIL REFERENCES SHOULD BE APPLIED TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR
D. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALES
E. VERIFY ALL FINISHES WITH SIGNAGE AND DECOR DWGS
F. DIMENSIONS ARE GIVEN TO COLUMN LINES, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED. DIMENSIONS MARKED "CLR" ARE FROM FINISH SURFACE TO FINISH SURFACE
G. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS
H. LIGHTING AND HVAC ARE SHOWN FOR REF ONLY. FOR LIGHTING AND HVAC LOCATIONS SEE ELEC AND MECH DWGS
I. FOR FASCIA AND GYP BOARD CONTROL JOINTS, SEE 11/A1.3-1 14/A1.3-1
J. FOR WALL CONTROL JOINTS AND WALL TO FASCIA EXPANSION JOINTS SEE 11/A1.3-1
K. FOR SUSPENDED ACOUSTICAL PANEL CEILING LATERAL BRACING, SEE 6/A1.3-1
L. DO NOT ATTACH SUSPENDED CEILINGS, PIPES, CONDUIT, DUCTS, SPRINKLERS, LIGHTS, ETC. FROM THE ROOF DECK. ATTACH ALL SUSPENDED ELEMENTS TO STRUCTURAL MEMBERS ONLY
M. PAINT ALL EXPOSED CONDUIT, DUCTS AND PIPES EXPOSED TO VIEW ON RETAIL SALES FLOOR. PAINT TO MATCH CEILING COLOR
N. CENTER CEILING GRID IN ROOMS, UNO
O. ADJUST CEILING TILE TO MINIMIZE CUTTING OF GRID FOR RECESSED LIGHTING
P. AT ALL FASCIAS WHERE GYPSUM BOARD DOES NOT EXTEND FULL HEIGHT TO BOTTOM OF ROOF DECK, PAINT EXPOSED ROOF DECK AND STRUCTURE FOR 4'-0" BEHIND FASCIA AND ALL COLD FORMED METAL FASCIA AND FASCIA SUPPORT FRAMING TO MATCH PAINT COLOR CALLED OUT FOR EXPOSED OPEN TO STRUCTURE AREAS
Q. AT 2x4 CEILING GRIDS WITH 2x2 LIGHTS AND/OR GRILLES, ADD EXTRA 2' T-BAR BETWEEN EDGE OF LIGHT OR GRILLE AND CEILING TILE, TYP
R. PATCH ALL HOLES IN ROOF DECKING WITH DECKING TO MATCH ADJACENT – PROVIDE INSULATION AS REQUIRED, PAINT TO MATCH CEILING
S. SEE SIGNAGE AND DECOR FOR LOCATIONS OF HANGING DECOR ITEMS.
T. EXISTING HVAC DUCTWORK TO REMAIN, SEE MECH, PAINT TO MATCH CEILING

KEYNOTES

DIVISION 09 FINISHES

09 001 (N) CEILING GRID AND TILES TO MATCH (E); EXTEND (E) GRID
09 002 NEW SEISMIC JOINT AT NEW/EXISTING CEILING LINE. BRACE (E) CEILING AND (N) CEILING AS REQUIRED SEPARATELY\
09 003 (E) FASCIA TO BE REDUCED IN HEIGHT AS INDICATED

LEGEND

EXISTING

- SOFFIT/EXTERIOR WALL/INTERIOR PARTITION/WALK-IN BOX WALL/FURRING
- EXPOSED PLYWOOD CEILING
- 2x4 GRID AND CEILING TILE – PROVIDE ALLOWANCE TO REPLACE DAMAGED TILES & CLEAN (E) GRID
- 2x2 GRID AND CEILING TILE
- GYPSUM BOARD CEILING
- WALK-IN BOX CEILING PER MANUFACTURER
- OPEN STRUCTURE, PAINT
- NO WORK THIS AREA, EXISTING TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT
- METAL LINEAR CEILING
- LIGHTING INFORMATION FOR REFERENCE ONLY, SEE ELECTRICAL
- MECHANICAL VENT FOR REFERENCE ONLY, SEE MECHANICAL

NEW

- FASCIA, SEE 16/A1.3-1
- INTERIOR PARTITION/FURRING
- WALK-IN BOX WALL
- EXPOSED PLYWOOD CEILING
- 2x4 GRID AND CEILING TILE
- 2x2 GRID AND CEILING TILE
- GYPSUM BOARD CEILING. FOR CEILING TO WALL CONNECTION SEE 15/A1.3-1
- WALK-IN BOX CEILING PER MANUFACTURER
- OPEN STRUCTURE
- LIGHTING INFORMATION FOR REFERENCE ONLY, SEE ELECTRICAL (PROJECT SPECIFIC)
- MECHANICAL VENT FOR REFERENCE ONLY, SEE MECHANICAL (PROJECT SPECIFIC)
- CONTROL JOINT

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1	Permit Res 2.12.16	

SHEET TITLE:
REFLECTED CEILING PLAN

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PERMIT CENTER

DRAWN BY: RDM
CHECKED BY: TAK

SHEET
A1.3

JOB NO. 215034600.00

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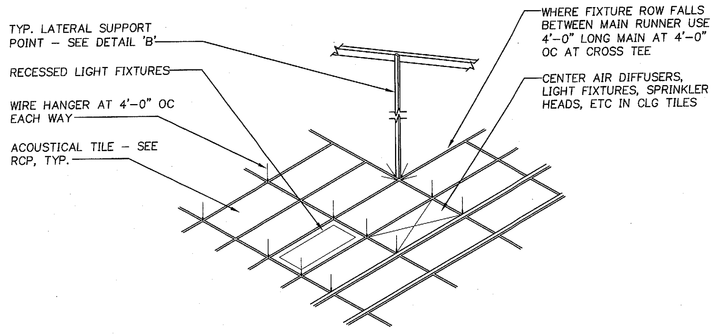
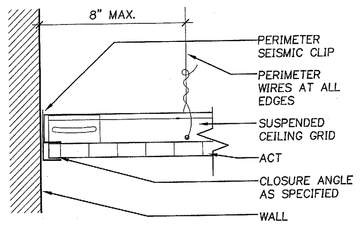


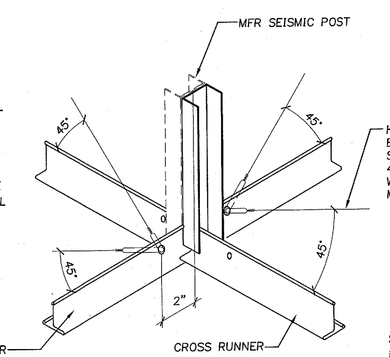
A SUSPENDED CEILING GRID



C SEISMIC CONNECTION TO WALL

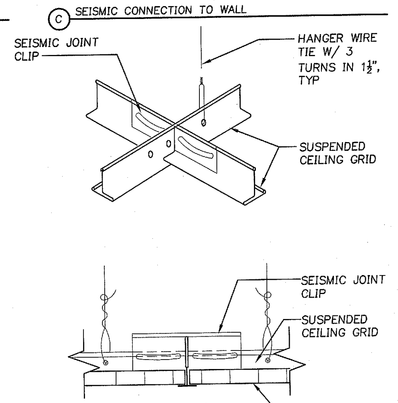
SEISMIC POST SCHEDULE

1. UP TO 8'–0": USE (1) 3⅝", 25 GAUGE METAL STUD AT 12'–0"
2. 8'–0" TO 10'–0": USE (2) 1⅝" 25 GAUGE METAL STUDS AT 12'–0" OC FASTENED BACK AT EACH SIDE OF MAIN RUNNER, TYP.
3. 10'–0" TO 15'–0": USE (2) 2½" 25 GAUGE METAL STUDS. FASTEN SAME AS NOTE #2.
4. ALTERNATE: UP TO 5'–0": USE ¾"ø EMT CONDUIT



SPLICE: PROVIDE (2) #10 SM SCREWS AFTER TILE PANEL IS INSTALLED

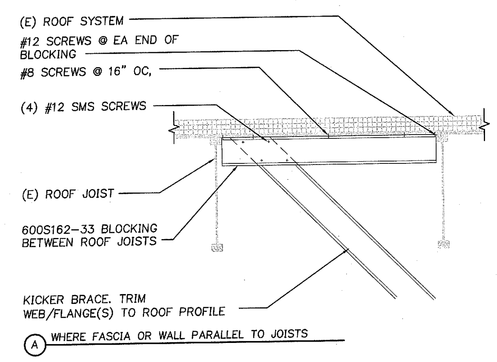
B LATERAL SUPPORT BRACE @ 12'–0" O.C. EACH WAY



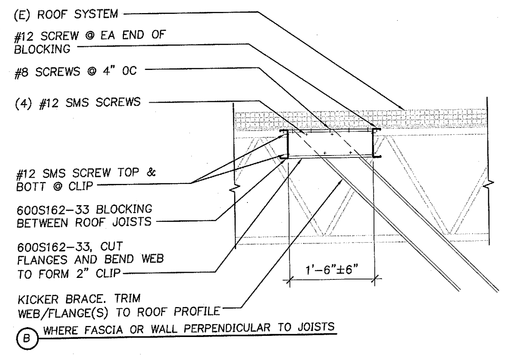
D CONCEALED SEISMIC CONTROL JOINT

6 A1.3.1 SUSPENDED T-BAR CEILING

SUSP CLG — 3"=1'–0"



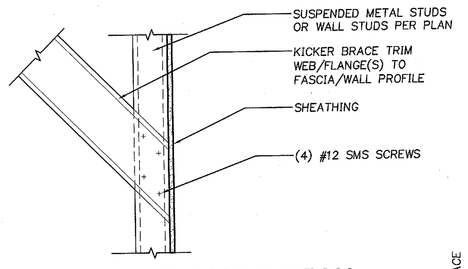
A WHERE FASCIA OR WALL PARALLEL TO JOISTS



B WHERE FASCIA OR WALL PERPENDICULAR TO JOISTS

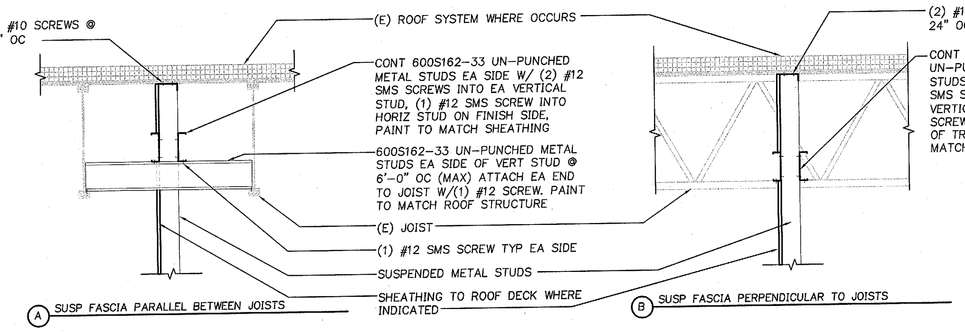
3 A1.3.1 KICKER BRACE CONNECTION

BRACE CONN WOOD — 3/4"=1'–0"



5 A1.3.1 KICKER BRACE CONNECTION

BRACE MTL — 1 1/2"=1'–0"

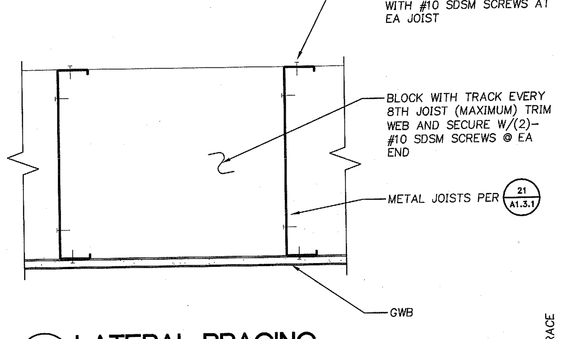


A SUSP FASCIA PARALLEL BETWEEN JOISTS

B SUSP FASCIA PERPENDICULAR TO JOISTS

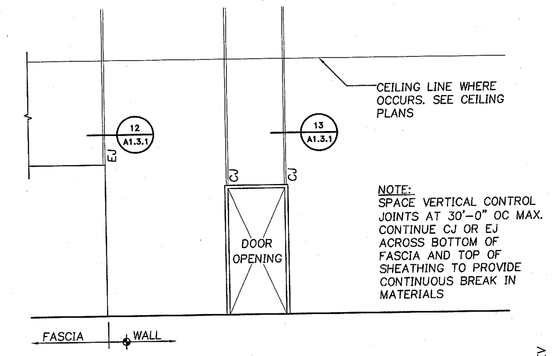
8 A1.3.1 FASCIA SUSPENSION

FASCIA SUSP WOOD — 3/4"=1'–0"



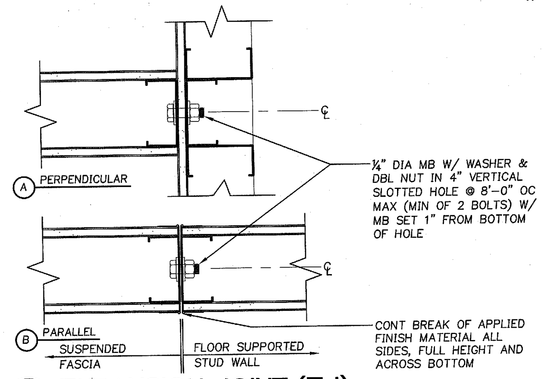
10 A1.3.1 LATERAL BRACING

LAT BRACE — 3"=1'–0"



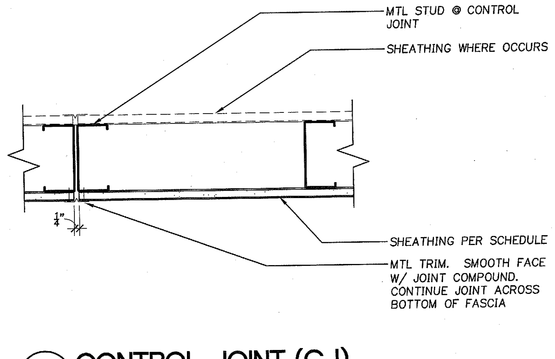
11 A1.3.1 WALL ELEVATION/JOINTS

SEE 14/A1.3.1 FOR TYPICAL CJ SPACING — 1/4"=1'–0" — WALL ELEV



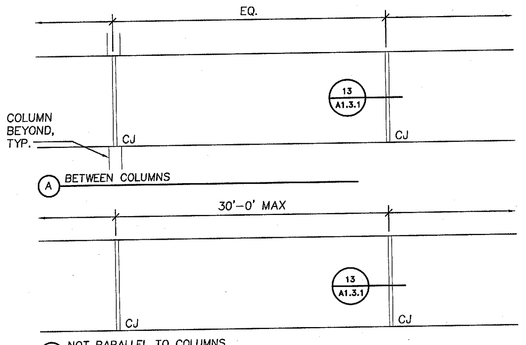
12 A1.3.1 EXPANSION JOINT (EJ)

3"=1'–0" — EJ



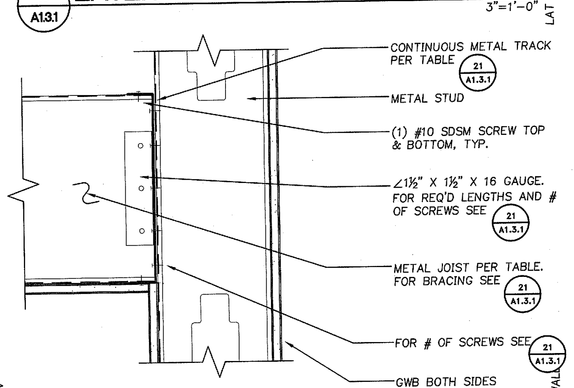
13 A1.3.1 CONTROL JOINT (CJ)

3"=1'–0" — CJ



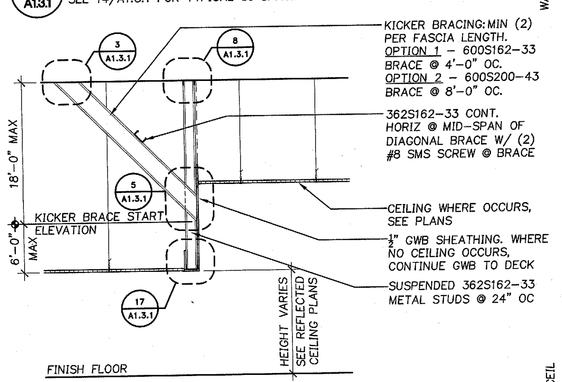
14 A1.3.1 FASCIA ELEVATION/JOINTS

1/4"=1'–0" — FASCIA ELEV



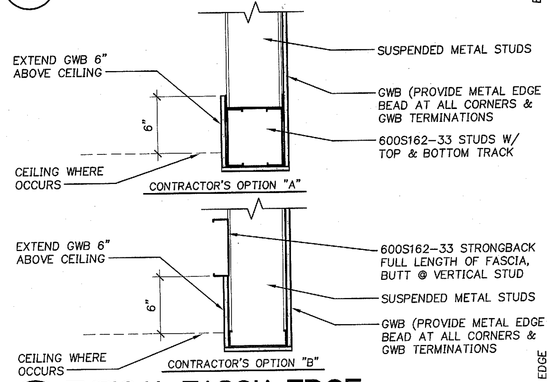
15 A1.3.1 CEILING TO WALL STUD CONNECTION

3"=1'–0" — CEIL TO WALL



16 A1.3.1 FASCIA W/CEILING

1/2"=1'–0" — FASCIA CEIL



17 A1.3.1 TYPICAL FASCIA EDGE

1 1/2"=1'–0" — FASCIA EDGE

MAX SPAN[1]	JOIST[2]	END CONNECTION	TRACK
10'–0"	600S162–33 @ 2'–0" OC	L 1.5"x1.5"x0'–5"x16 GA W/ 3–#10 SCREWS EA LEG	600T150–33 TRACK W/ 2–#10 SCREWS @ EA WALL STUD
12'–0"	600S162–33 @ 1'–4" OC	L 1.5"x1.5"x0'–5"x16 GA W/ 3–#10 SCREWS EA LEG	600T150–33 TRACK W/ 2–#10 SCREWS @ EA WALL STUD
14'–0"	800S162–43 @ 2'–0" OC	L 1.5"x1.5"x0'–5"x16 GA W/ 3–#10 SCREWS EA LEG	600T150–33 TRACK W/ 2–#10 SCREWS @ EA WALL STUD
18'–0"	800S162–43 @ 2'–0" OC	L 1.5"x1.5"x0'–7"x16 GA W/ 4–#10 SCREWS EA LEG	800T150–43 TRACK W/ 3–#10 SCREWS @ EA WALL STUD
20'–0"	800S200–43 @ 1'–4" OC	L 1.5"x1.5"x0'–7"x16 GA W/ 4–#10 SCREWS EA LEG	800T200–43 TRACK W/ 3–#10 SCREWS @ EA WALL STUD
22'–0"	800S200–43 @ 1'–0" OC	L 1.5"x1.5"x0'–7"x16 GA W/ 4–#10 SCREWS EA LEG	800T200–43 TRACK W/ 3–#10 SCREWS @ EA WALL STUD
24'–0"	800S200–54 @ 1'–0" OC	L 1.5"x1.5"x0'–7"x16 GA W/ 4–#10 SCREWS EA LEG	800T200–43 TRACK W/ 3–#10 SCREWS @ EA WALL STUD

NOTES:
1. SPAN IS FROM CENTER OF WALL TO CENTER OF WALL
2. CHART IS BASED ON 5 PSF DEAD LOAD COMBINED WITH THE GREATER EFFECT OF 10 PSF LIVE LOAD OR 300 POUND POINT LOAD APPLIED AT JOIST MIDSPAN
3. ALL JOISTS TO BE BLOCKED AT THIRD POINTS PER 10 A1.3.1
4. SCREWS TO BE SDSM SCREWS UNO

21 A1.3.1 HARDLID FRAMING TABLE

1 1/2"=1'–0" — HARD LID CEILING NOTES

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SHEET TITLE:
WALL/CEILING/ FASCIA DETAILS

RECEIVED
DEC 22 2015
CITY OF KENT PERMIT CENTER

DRAWN BY: KMS

CHECKED BY: TAK

SHEET
A1.3.1

2156567

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

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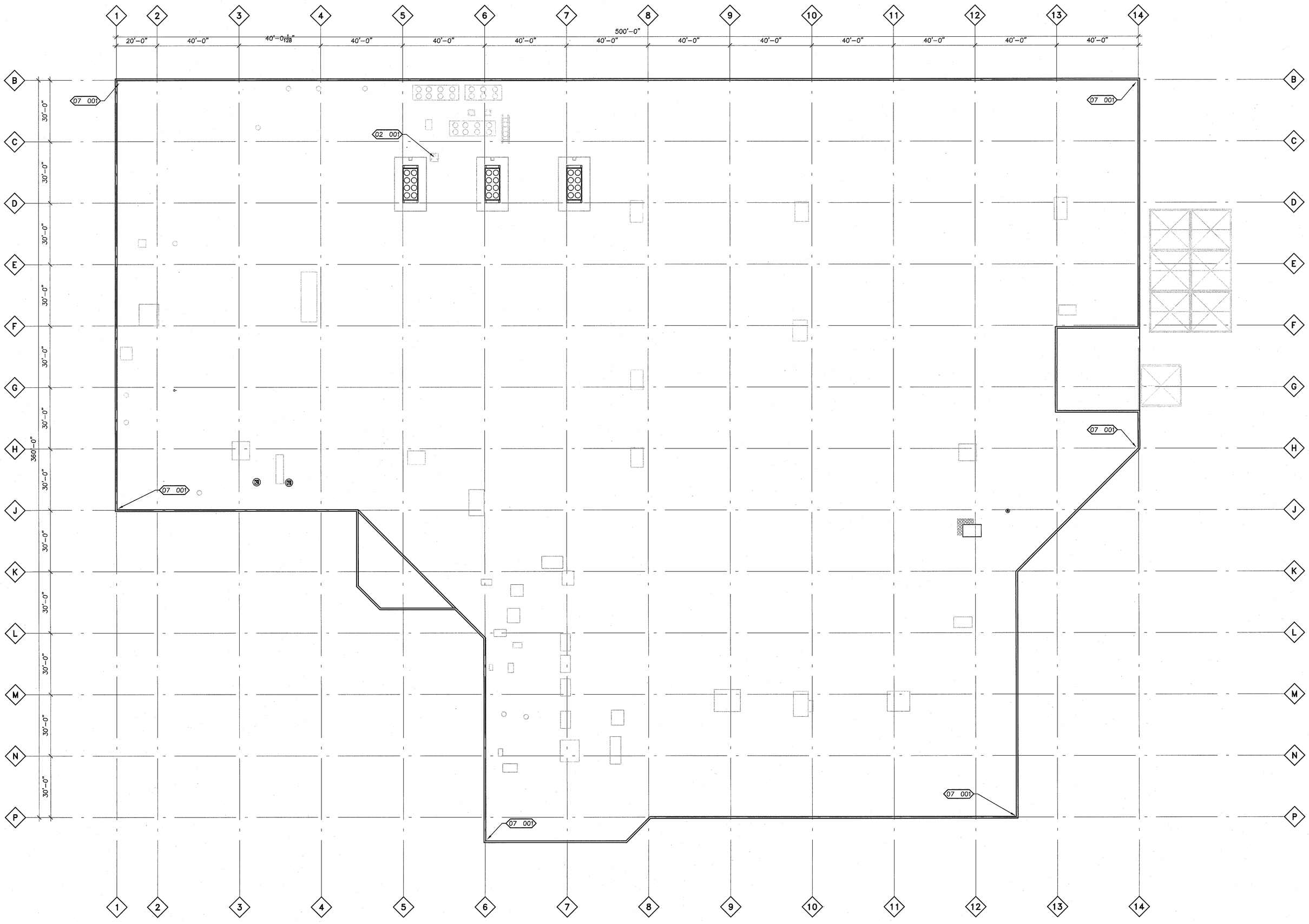

1 A1.4 ROOF PLAN
1"=20'-0"

GENERAL NOTES

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ASD/GISD LOCATIONS AS APPLIES.
B. DETAIL REFERENCES SHOULD BE APPLIED TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR.
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D. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS.
E. (E) PARAPETS TO REMAIN.
F. MECHANICAL AND ELECTRICAL EQUIPMENT SHOWN FOR REFERENCE ONLY. COORDINATE W/ MECHANICAL AND ELECTRICAL DRAWINGS
G. PATCH & REPAIR AS REQUIRED AT ALL NEW ROOF PENETRATIONS TO MATCH (E) CONSTRUCTION
H. PROVIDE NEW WALK PADS AROUND NEW REFRIGERATION UNITS. COORDINATE FINAL LOCATION WITH ACCESS PANELS.
I. FOR VENT PIPE PENETRATION, SEE MEP DRAWINGS AND INSTALL PER 3 / A1.4-1

FOR PIPING COVER AT ROOF PENETRATIONS, ROOF EXHAUST FAN CURBS, AND ALL OTHER ROOF PENETRATIONS, SEE MEP DRAWINGS AND INSTALL PER 2 / A1.4-1

FOR EXHAUST FAN PENETRATIONS, SEE MEP AND INSTALL PER 1 / A1.4-1

FOR SPLIT SYSTEM CURB SEE MEP AND INSTALL PER 8 / A1.4-1

J. CONTRACTOR SHALL VERIFY LOCATION OF (E) ROOFTOP EQUIPMENT AT PENETRATIONS.
K. CONTRACTOR TO REMOVE ANY ABANDONED OR CUT PIPES AT ROOF. PATCH OR REPAIR ROOF ASSEMBLY AS REQUIRED TO MATCH ADJACENT. INFILL/PATCH ROOF TO MATCH (E) ROOF SYSTEM AT DEMOLISHED ROOF CURBS. REFER TO MECHANICAL FOR LOCATIONS. MAINTAIN ROOF WARRANTY. COORDINATE W/ OWNER.
L. EXISTING MECHANICAL EQUIPMENT TO REMAIN, TYPICAL.
M. FOR EXHAUST FLUE INFORMATION, SEE MECHANICAL.

ROOFTOP CURB SCHEDULE

QUANTITY	CURB SIZE (LxWxH) (+1,+2)	ROOF ACCESSORY	AES NUMBER
1	77-1/2" X 39-1/4" X 20"	AC-31	42460
1	26-1/2" X 26-1/2" X 30"	EF-31	42414
1	26-1/2" X 26-1/2" X 30"	EF-32	42402
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-A	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-B	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-C	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-D	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-E	42447

(+1) NOMINAL SIZE. CONFIRM EXACT SIZE WITH EQUIPMENT MANUFACTURER.
(+2) HEIGHT SHOWN IS THE DIMENSION AT THE UPPER SIDE OF ROOF. SLOPE OF CURB TO MATCH ROOF SLOPE.

KEYNOTES

DIVISION 02 EXISTING CONDITIONS

02 001 (E) ROOF HATCH

DIVISION 07 THERMAL + MOISTURE PROTECTION

07 001 PROVIDE ROOF PENETRATION FOR (N) SECURITY CAMERAS PER 5 / A1.4-1 COORDINATE WITH KROGER CPM

LEGEND

EXISTING

- LINE OF PARAPET/ ROOFING CONTROL JOINT
- LINE OF SOFFIT BELOW
- MECHANICAL UNIT
- ROOF ACCESS HATCH
- ROOF DRAINS

NEW

- ROOFTOP UNIT WITH WALKPADS ON (2) SIDES AT ACCESS PANEL LOCATION ONLY. CURBS PER ROOFTOP CURB SCHEDULE. COORDINATE WITH MECHANICAL FOR SIZE AND LOCATION
- ROOFTOP REFRIGERATION CONDENSER UNIT W/CURBS PER ROOFTOP CURB SCHEDULE 4 / A1.4-1
- ROOF TOP SPLIT SYSTEM UNIT AND CURBS. WALKPADS ON (2) SIDES AT ACCESS PANEL LOCATION ONLY. SEE MECHANICAL FOR MORE INFORMATION. FOR CURB FRAMING INFORMATION SEE 8 / A1.4-1

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON A SURVEY BY: HICKMAN & ASSOCIATES DATE:

PERMIT SET: DECEMBER 21, 2015

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SHEET TITLE:
ROOF PLAN

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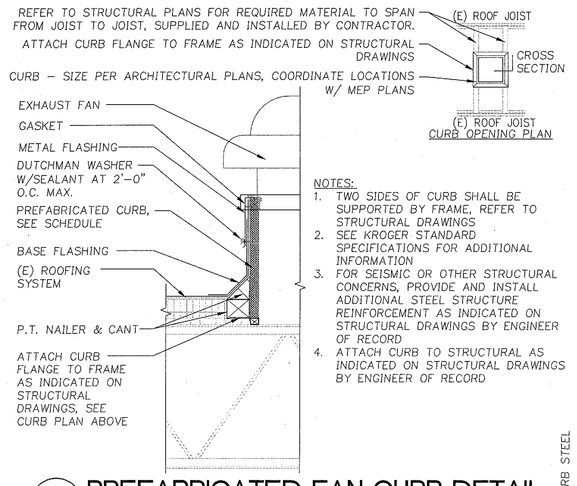
DRAWN BY: KMS
CHECKED BY: TAK

SHEET
A1.4

215A54700

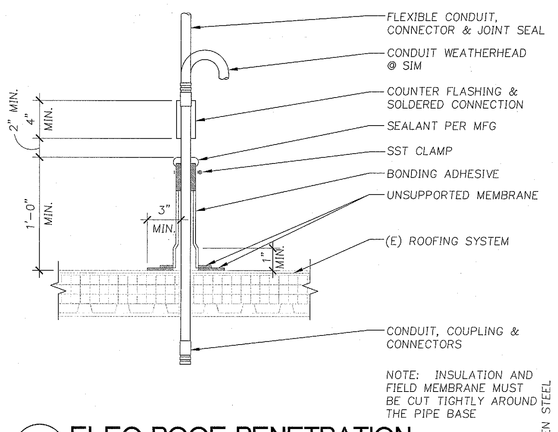
JOB NO. 215034600.00



1 A1.4.1 **PREFABRICATED FAN CURB DETAIL**

HELP TEXT: USE THIS DETAIL IF ROOF IS STEEL CONST. 1"=1'-0"

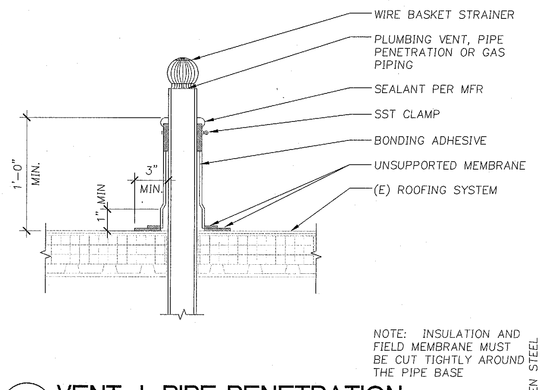
FAN CURB STEEL



2 A1.4.1 **ELEC ROOF PENETRATION**

HELP TEXT: USE THIS DETAIL IF ROOF IS STEEL CONST. 1"=1'-0"

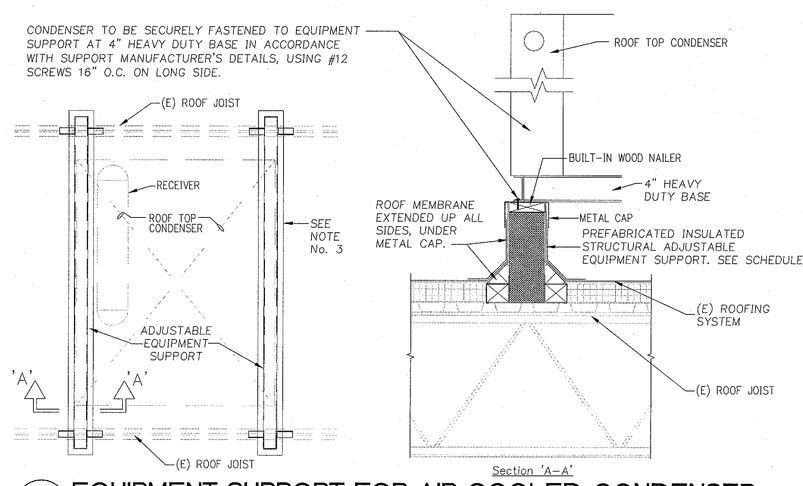
ELEC PEN STEEL



3 A1.4.1 **VENT + PIPE PENETRATION**

HELP TEXT: USE THIS DETAIL IF ROOF IS STEEL CONST. 1"=1'-0"

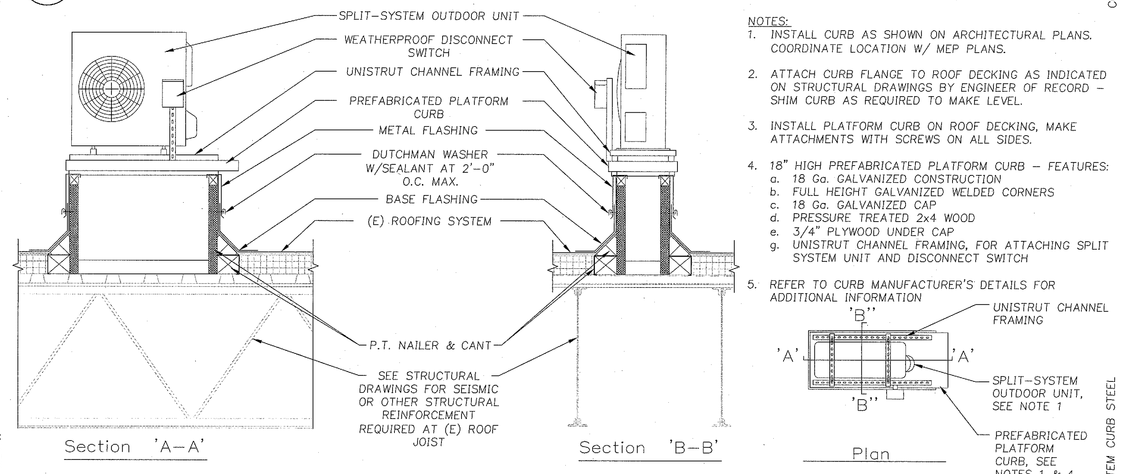
VENT PEN STEEL



4 A1.4.1 **EQUIPMENT SUPPORT FOR AIR COOLED CONDENSER**

HELP TEXT: USE THIS DETAIL IF ROOF IS STEEL CONSTRUCTION 1"=1'-0"

CONDENSER CURB STEEL



7 A1.4.1 **ROOF CURB CAP DETAIL**

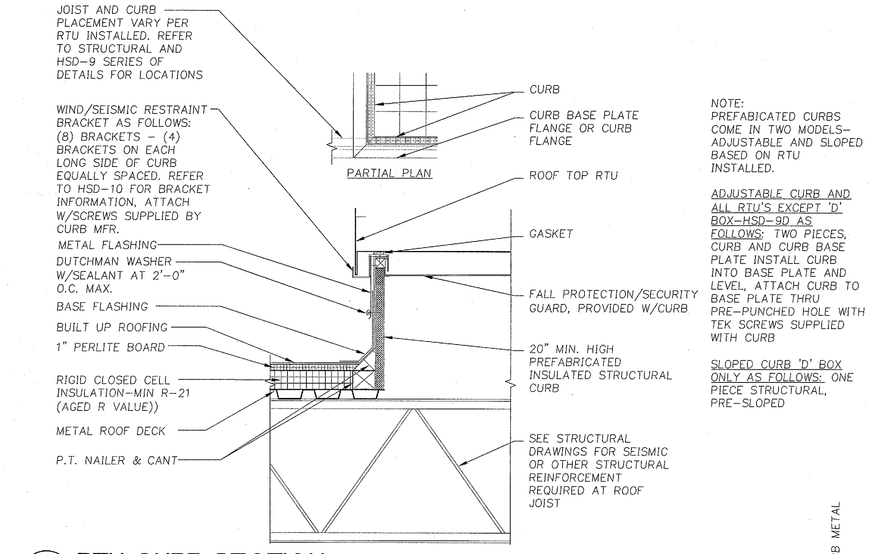
NTS

CURB CAP METAL

8 A1.4.1 **SPLIT SYSTEM CURB SECTION**

HELP TEXT: USE THIS DETAIL IF ROOF IS STEEL CONSTRUCTION 1"=1'-0"

SPLIT SYSTEM CURB STEEL



11 A1.4.1 **RTU CURB SECTION**

1"=1'-0"

RTU CURB METAL

12 A1.4.1 **CAP FLASHING**

SEE DETAIL 4/A2.2.1 FOR MORE INFORMATION 1 1/2"=1'-0"

CAP FL

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SHEET TITLE:
ROOF DETAILS

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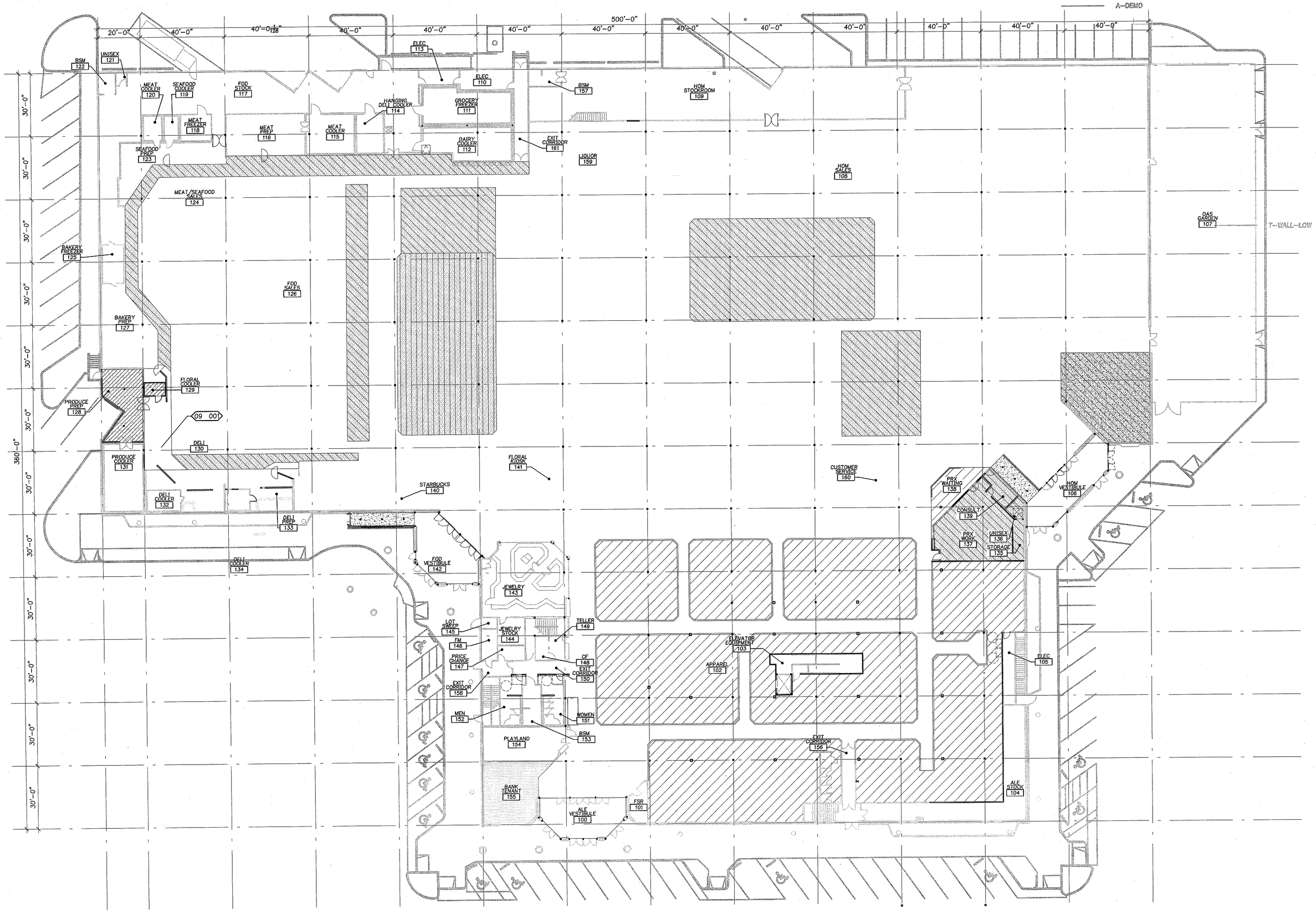

1 A1.6 FLOOR FINISH PLAN

1"=20'-0"

GENERAL NOTES

A. FOR MATERIAL CALLOUTS SEE SPECIFICATIONS
B. IN APPAREL PROVIDE BASE WB-001 AT ALL WOOD FIXTURES IF NEW AND PER PLAN. ALL OTHER AREAS (i.e. PAINT DESK, CUSTOMER SERVICE DESK, CHECKSTANDS, MISCELLANEOUS WOOD FIXTURES, WAINSCOTING, SALES SIDE OF DAIRY COOLER, AND TOP OF CONCRETE CURBS AT ALL ENTRIES) SHALL REQUIRE WB-001. WHERE THE TOE KICK OF FIXTURE WILL ACCEPT A 4" BASE, PROVIDE SUCH. ALL OTHER AREAS SHALL REQUIRE A 6" BASE. SEE ASDS/GISDS FOR MORE INFORMATION
C. PROVIDE BASE ON FIXTURE OR COLUMN FURRING
D. EXTEND POLISHED CONCRETE 6" BEYOND CARPET TRANSITION
E. GC TO COORDINATE FINAL FLOOR TRANSITION LOCATIONS, INCLUDING OWNER'S VENDORS
F. VERIFY ALL TILE ALIGNMENTS PER PLAN WITH FIXTURE LOCATIONS AND DIMENSIONS PRIOR TO START OF WORK
G. ALL (E) POLISHED CONC AT SALES AREAS TO BE REPOLISHED. GC TO MOVE ALL (E) FIXTURES AS REQUIRED TO POLISH ENTIRE SALES FLOOR
H. ENSURE ALL COVER PLATES, ACCESS PANELS, CONDUIT, DRAINS, AND OTHER FLOOR ACCESSORIES ARE LEVEL AND FLUSH WITH ADJACENT FLOOR FINISH, UNO
I. PROVIDE NEW FLOORING TRANSITIONS AS REQUIRED PER ASDs/GISDs
J. WHERE STOCKROOM FLOOR IS ADJACENT TO SALES FLOOR, CONTINUE SALES FLOOR FINISH 3'-0" MIN. INTO STOCK ROOM
K. OWNER'S FLOOR FINISH VENDOR SHALL PROVIDE THE FOLLOWING:
1. NEW POLISHED CONCRETE FINISH WHERE SPECIFIED
2. FLOOR JOINT CAULKING AND DIVOT GROUTING AS REQUIRED

CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
1. REMOVAL AND REPLACEMENT OF CONCRETE WHERE (E) EPOXY AND/OR RESINOUS FINISH EXISTS, AS REQUIRED
2. TEMPORARY POWER AS INDICATED IN THE ELECTRICAL PLANS
3. ON-SITE COORDINATION OF OWNERS FLOOR FINISH VENDOR
4. SHUT DOWN OR REDIRECTION OF HVAC SYSTEMS IN AREAS WHERE FLOOR GRINDING AND POLISHING IS OCCURRING
5. REMOVAL AND REPLACEMENT OF ALL REFRIGERATED CASE KICK PLATES AND ASSOCIATED ACCESSORIES IN ORDER TO ENSURE NEW FINISHES CONTINUE UNDER (E) EQUIPMENT
6. COORDINATION AND REMOVAL, IF NECESSARY, OF EXISTING UTILITIES

L. SEE ASDs/GISDs FOR WATERPROOF MEMBRANE AT RESTROOM FLOORS
M. REMOVE & REPLACE SEALANT AT EXPOSED CONC CONTROL JOINTS
N. PROVIDE JOINT FILLER IN CONC SLAB CONTROL JOINTS UNDER NEW RESINOUS FLOORING
O. ALL INTERIOR BOLLARDS ON SALES FLOOR AT STOCKROOM ENTRIES TO BE PAINTED BLACK
P. RODENT INSPECTION STRIPE – INDICATE 8" WIDE PAINT STRIPE ON THE FLOOR BEHIND PALLET RACKING, STOCK AREAS, AND BACKROOM AND DOCK AREA ON FLOOR ADJACENT TO THE EXTERIOR WALL EXCEPT FOR COOLER AND FREEZER AREAS

KEYNOTES

DIVISION 09 FINISHES

09 003 (E) RESINOUS FLOORING, PATCH AS REQUIRED

LEGEND

EXISTING

- FINISHES TO REMAIN
- NO WORK IN THIS AREA, (E) TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT

NEW

- DYE AND POLISH (E) CONCRETE TO MATCH (E) SALES FLOOR COLOR
- POLISH (E) CONCRETE
- SEAL CONCRETE (EXTERIOR CONCRETE IS NOT SEALED)
- SLIP RESISTANT VINYL COMPOSITE TILE (VCT)
- SEAL (E) CONCRETE
- ANTI-SLIP FINISH
- CARPET TILE
- RESINOUS FLOORING FINISH
- POLISH INTEGRAL COLOR CONCRETE
- CERAMIC TILE
- SURFACE MOUNTED WALK-OFF MAT AND TRIM, (SIZE: WIDTH OF DOOR X 12'-0")
- POLISH CONCRETE WITH ANTI-SLIP FINISH
- POLISH (E) CONCRETE WITH ANTI-SLIP FINISH
- VINYL COMPOSITE TILE (VCT) TO MATCH (E). FIELD VERIFY REPLACEMENT OF BLACK AND GREEN VCT.

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SHEET TITLE:
FLOOR FINISH PLAN

DRAWN BY: KMS

CHECKED BY: TAK

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A1.6

JOB NO. 215034600.00

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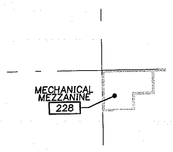

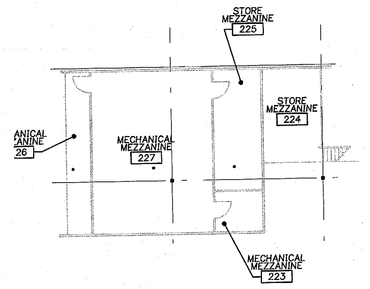

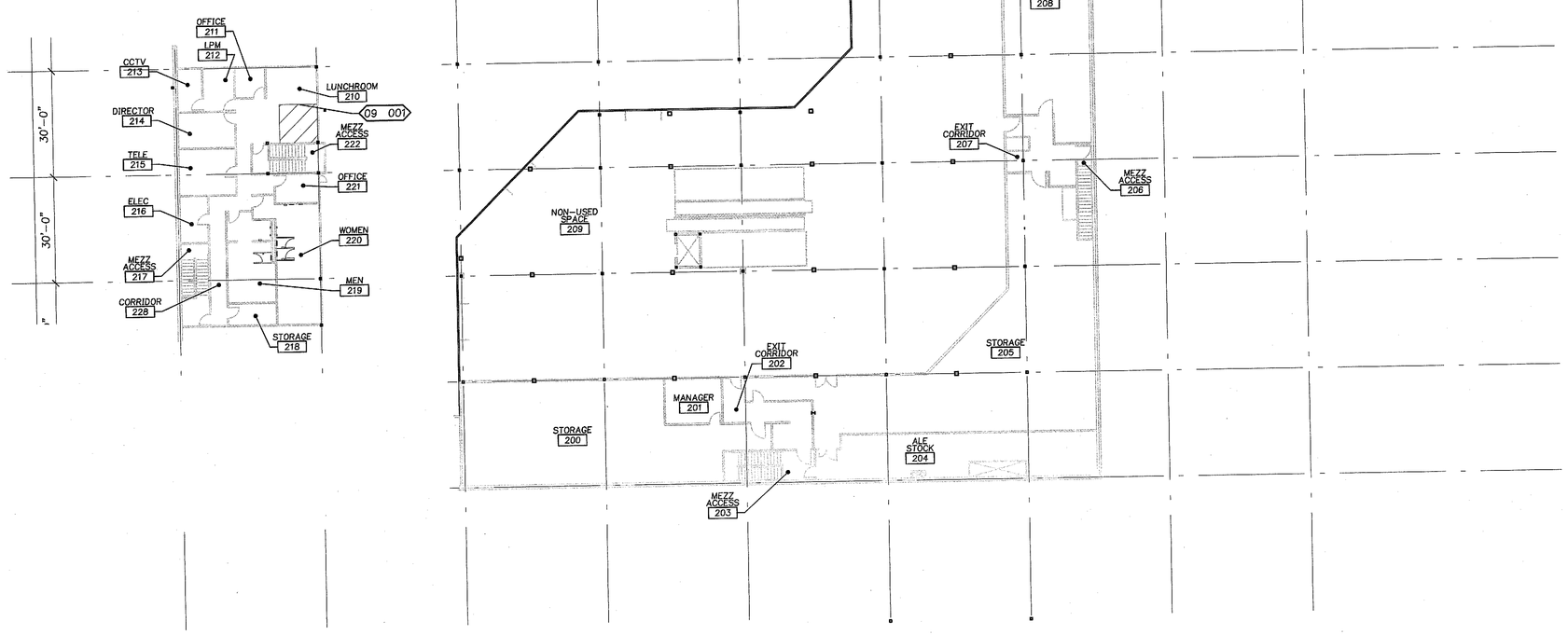

1 A1.6 FLOOR FINISH PLAN

1"=20'-0"

GENERAL NOTES

A. FOR MATERIAL CALLOUTS SEE SPECIFICATIONS
B. IN APPAREL PROVIDE BASE WB-001 AT ALL WOOD FIXTURES IF NEW AND PER PLAN. ALL OTHER AREAS (i.e. PAINT DESK, CUSTOMER SERVICE DESK, CHECKSTANDS, MISCELLANEOUS WOOD FIXTURES, WAINSCOTING, SALES SIDE OF DAIRY COOLER, AND TOP OF CONCRETE CURBS AT ALL ENTRIES) SHALL REQUIRE WB-001. WHERE THE TOE KICK OF FIXTURE WILL ACCEPT A 4" BASE, PROVIDE SUCH. ALL OTHER AREAS SHALL REQUIRE A 6" BASE. SEE ASDS/GISDS FOR MORE INFORMATION
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H. ENSURE ALL COVER PLATES, ACCESS PANELS, CONDUIT, DRAINS, AND OTHER FLOOR ACCESSORIES ARE LEVEL AND FLUSH WITH ADJACENT FLOOR FINISH, UNO
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KEYNOTES

LEGEND

EXISTING

- FINISHES TO REMAIN
- NO WORK IN THIS AREA, (E) TENANT TO REMAIN, CONTRACTOR TO ENSURE WORK DOES NOT DISTURB TENANT

NEW

- CARPET TILE

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MEZZANINE FINISH PLAN

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CHECKED BY: TAK

SHEET
A1.6.1

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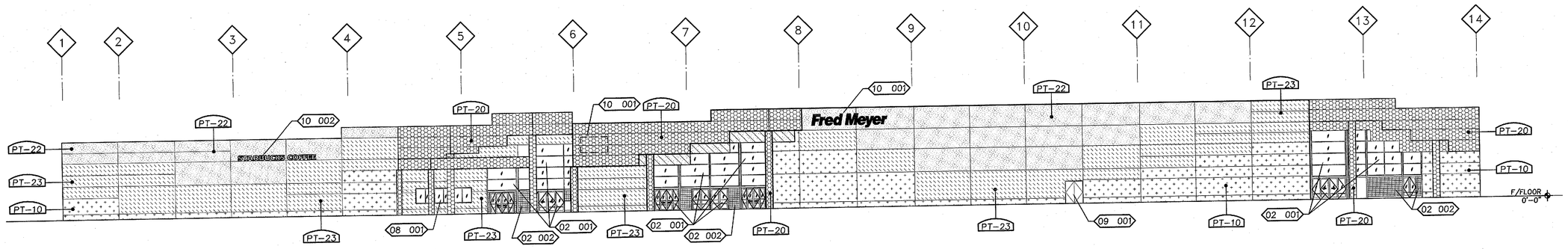
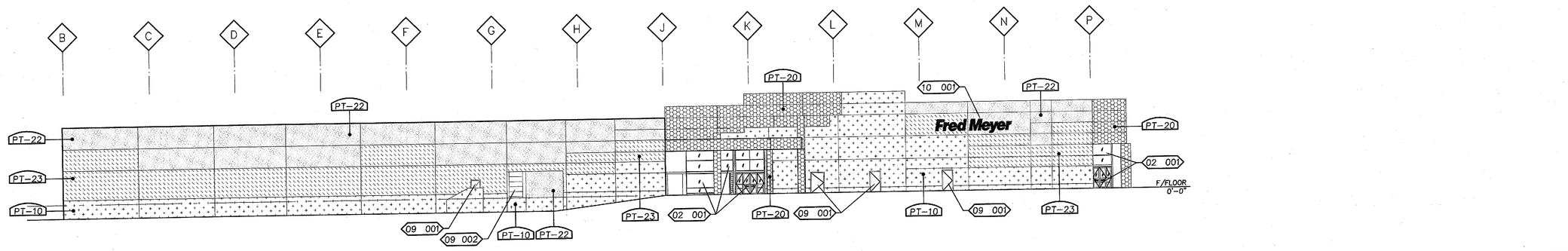
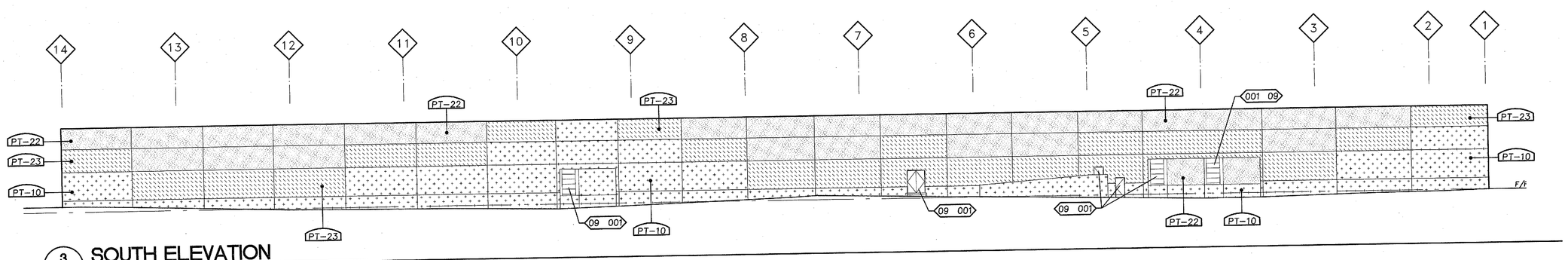


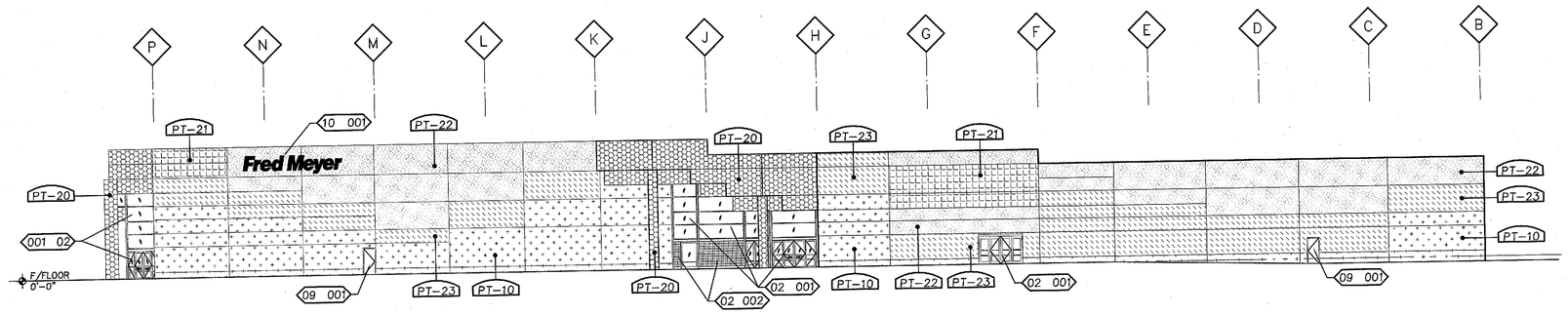
1 A2.1 NORTH ELEVATION
1"=20'-0"



2 A2.1 EAST ELEVATION
1"=20'-0"



3 A2.1 SOUTH ELEVATION
1"=20'-0"



4 A2.1 WEST ELEVATION
1"=20'-0"

GENERAL NOTES

A. PATCH, REPAIR AND PREP ALL EXTERIOR SURFACES FOR PAINT, INCLUDING DOORS AND FRAMES. REMOVE (E) BUILDING MOUNTED SIGNAGE PRIOR TO PAINT, REPLACE IN (E) LOCATION WHEN PAINTING IS COMPLETE.
B. VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO START OF WORK.
C. PATCH AND REPAIR WORK DAMAGED DURING CONSTRUCTION TO NEW CONDITION.
D. DETAIL AND KEYNOTE REFERENCES SHOULD BE APPLIED AT ALL INSTANCES WHERE SAME CONDITION OCCURS.
E. DO NOT SCALE DRAWINGS TO DETERMINE SIZES OR DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
F. ALL ELEVATIONS ARE RELATIVE TO 0'-0" FINISH FLOOR.
G. PAINT FRONT, BACK AND BOTTOM OF ALL PILASTERS, COLUMNS, PIERS, SOFFITS, CANOPIES, AND FASCIAS.
J. REPAINT ALL (E) EXTERIOR BOLLARDS TO MATCH (E).
K. PAINT ALL FLASHING TO MATCH ADJACENT BUILDING COLOR.
L. ALL ITEMS SHOWN ARE (E), UNO. PROVIDE PAINT AS INDICATED. PATCH AND REPAIR ANY DAMAGED SURFACE TO MATCH ADJACENT PRIOR TO PAINT.
M. REMOVE ALL (E) BACKER ROD AND SEALANT AT CONTROL JOINTS AND EXPANSION JOINTS AND PROVIDE NEW BACKER ROD AND SEALANT.
N. PAINT ALL EXPOSED EXTERIOR STEEL WITH KYNAR 500.
O. TOUCH UP PAINT AT HANDRAILS AS REQUIRED.
P. CLEAN AND PAINT PYLON SIGN AS NOTED
Q. (E) SIGNAGE TO REMAIN, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
R. PRESSURE WASH AND CLEAN EXTERIOR SURFACES OF BUILDING PRIOR TO PAINTING.
S. PROVIDE METAL DIP EDGE AT DOOR HEAD AT ALL NEW EXTERIOR HM SWINGING DOORS. REFER TO DOOR HARDWARE NUMBER NOTED IN DOOR SCHEDULE AND SPECIFICATIONS.

KEYNOTES

DIVISION 02 EXISTING CONDITIONS

02 001 (E) STOREFRONT TO REMAIN.
02 002 (E) GLASS BLOCK TO REMAIN.
02 003 (E) SIGNAGE TO REMAIN.

DIVISION 08 OPENINGS

08 001 NEW BASCART WINDOW

DIVISION 09 FINISHES

09 001 PAINT (E) DOOR & FRAME PT-10 GRIFFIN
09 002 PAINT (E) DOOR & FRAME PT-23 BRUSH BOX

DIVISION 10 SPECIALTIES

10 001 EXISTING SIGNAGE TO BE RE-LAMPED WITH LED
10 002 NEW STARBUCKS SIGNAGE OFOI

LEGEND

PAINT PT-10 GRIFFIN
PAINT PT-20 COLONY BUFF
PAINT PT-21 PENDULA GARDEN
PAINT PT-22 SPICE BOUNTY
PAINT PT-23 BRUSH BOX

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3800 SE 22ND AVE
PORTLAND, OR 97202

Fred Meyer

Project
FRED MEYER STORES, INC.
KENT RETAIL STORE #172 REMODEL

FRED MEYER STORE #172
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REVISIONS:

REVISION NUMBER	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE

SHEET TITLE:
EXTERIOR ELEVATIONS

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

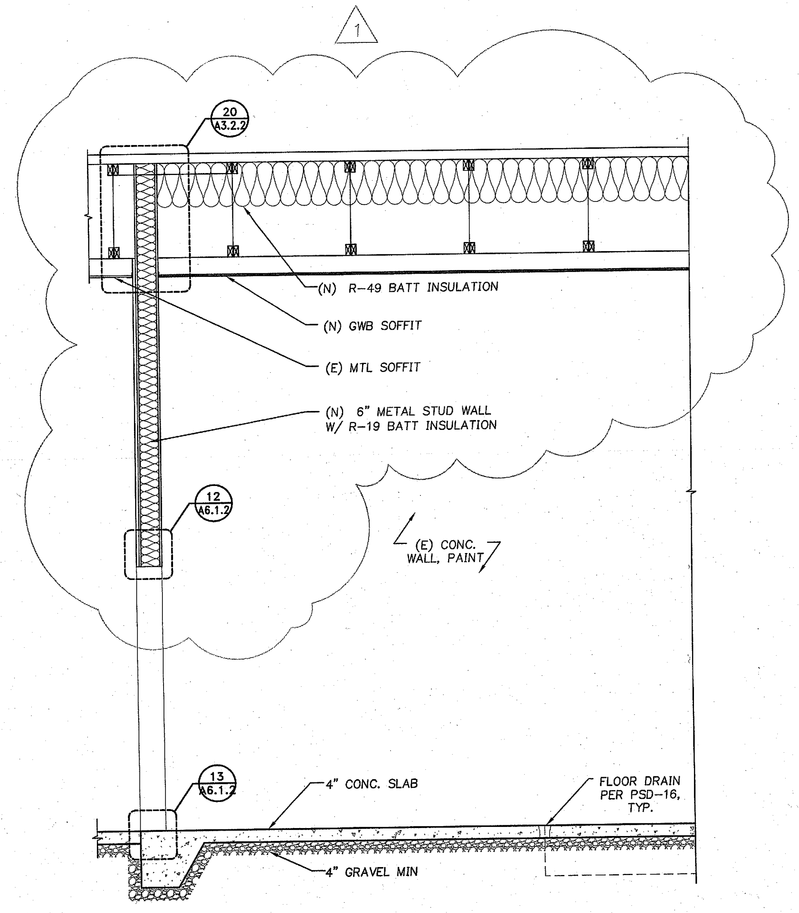
DRAWN BY: RDM
CHECKED BY: TAK
SHEET
A2.1

2154547

JOB NO. 215034600.00

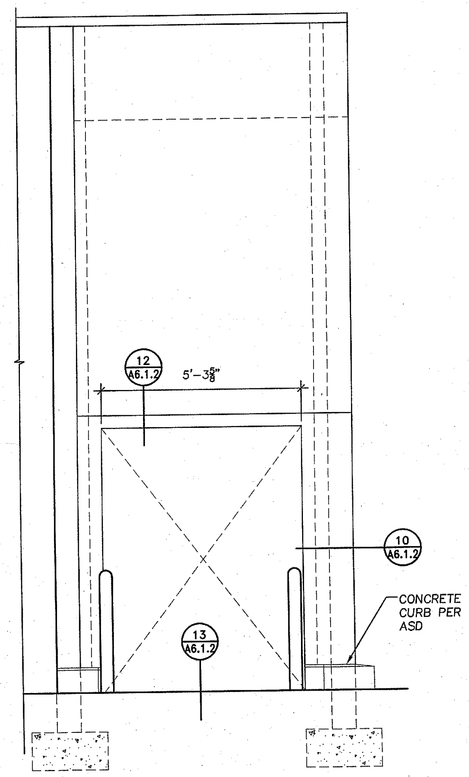
PERMIT SET: DECEMBER 21, 2015

215034600\A_DRAWINGS\ARCHITECTURAL\172-A2.1.DWG DAJ 12/17/15 11:31 1:245.00



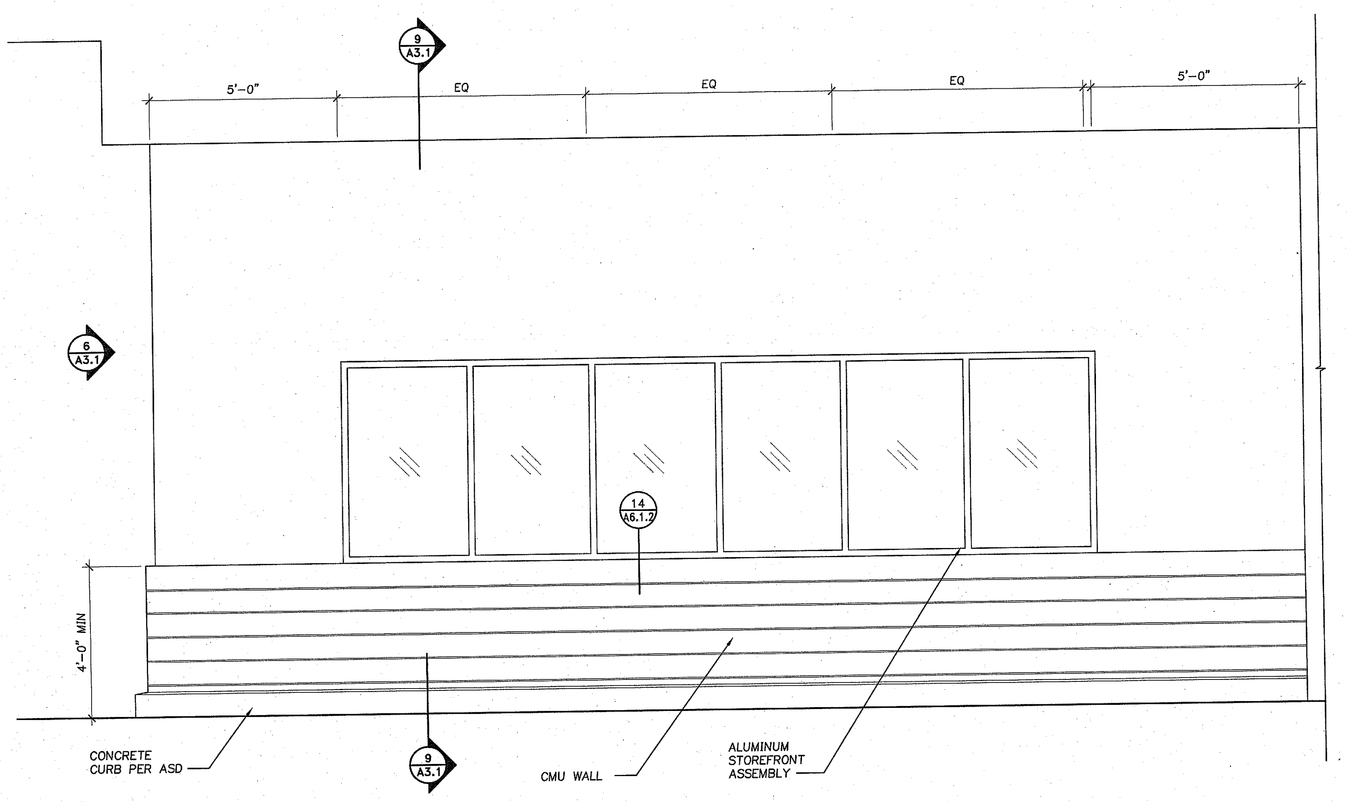
2 A3.1 BASCART ENTRY PARTIAL SECTION - SOUTH

1/2"=1'-0"



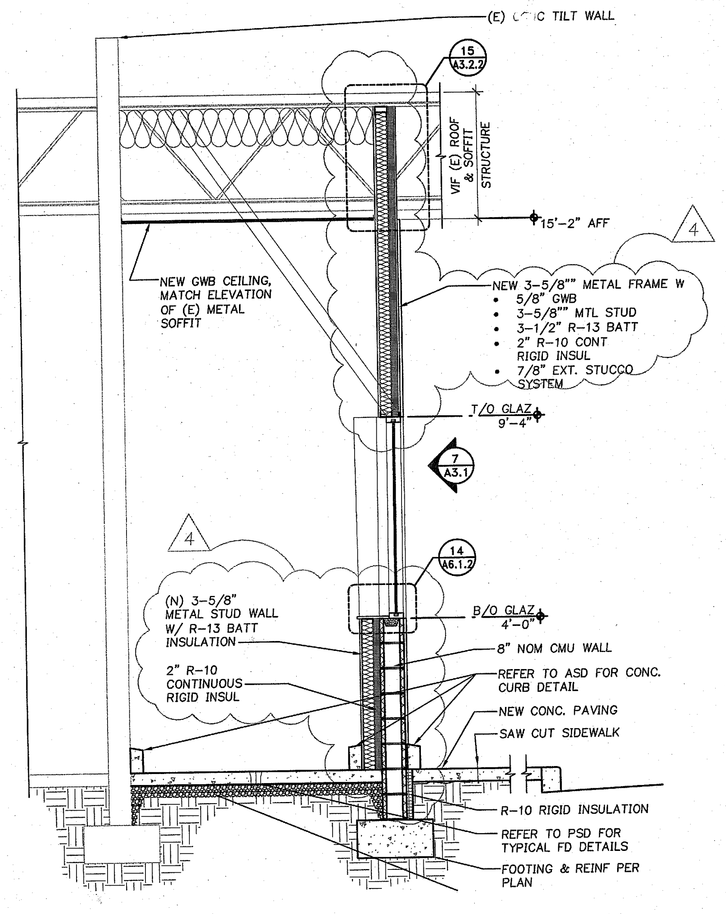
6 A3.1 BASCART - WEST ELEVATION

1/2"=1'-0"



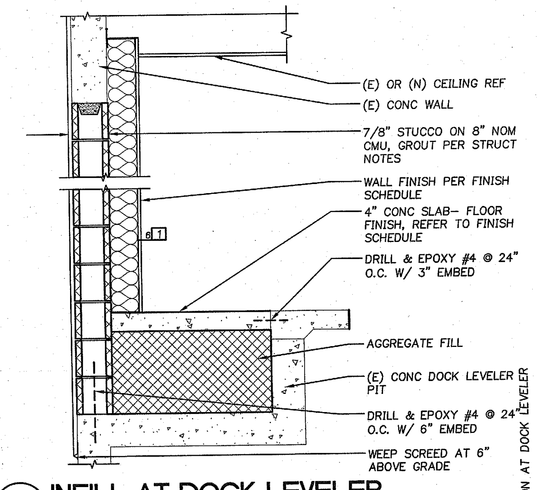
7 A3.1 BASCART - SOUTH ELEVATION

1/2"=1'-0"



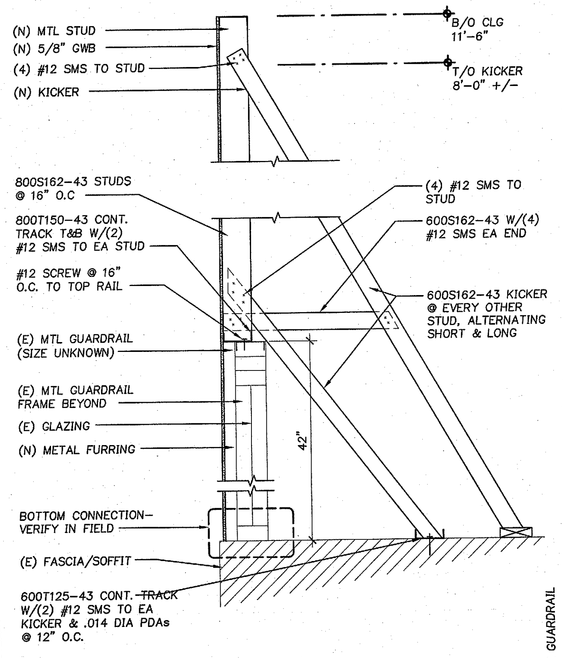
9 A3.1 BASCART ENTRY SECTION - WEST

1/2"=1'-0"



15 A3.1 INFILL AT DOCK LEVELER

3/4"=1'-0"



18 A3.1 FRAMED WALL AT (E) GUARDRAIL

MEZZANINE

3/4"=1'-0"

* ALL NEW EXTERIOR WINDOWS AND DOORS REQUIRED TO BE NO GREATER THAN .38 U-VALUE AND .40

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REVISION DELTA	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE
1	X	Permit Res 2.12.16
2		Bid Set 2.15.16
3		Addendum 1 3.2.16
4		Permit Res 3.17.16

SHEET TITLE:
WALL
SECTIONS

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DRAWN BY: MJG

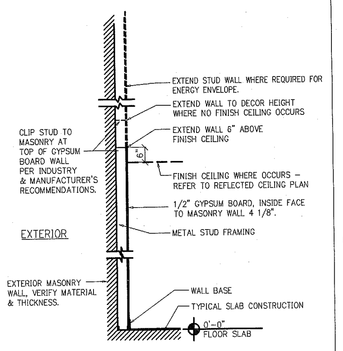
CHECKED BY: TAK

SHEET
A3.1

215345?

JOB NO. 215034600.00

Notes:
1. REFER TO INTERIOR DECOR ELEVATIONS FOR DECOR HEIGHT.



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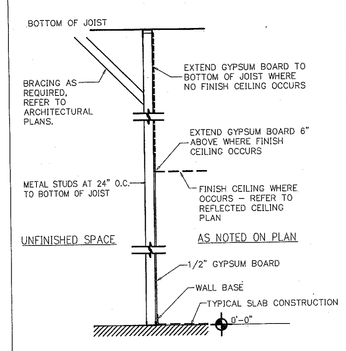
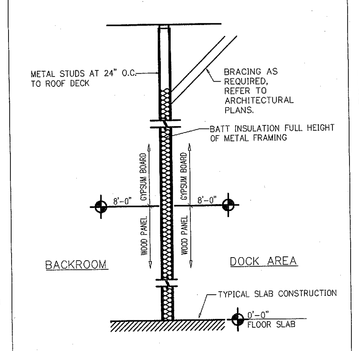


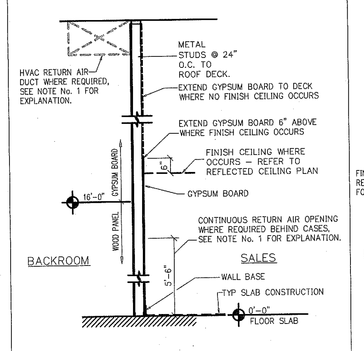
3

Notes:
INSTALL GYPSUM BOARD TO ROOF DECK.



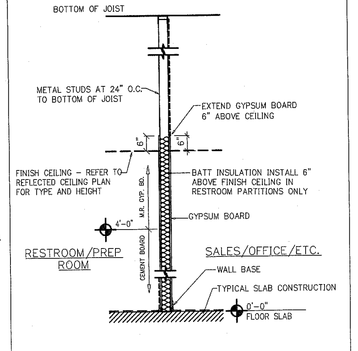
4

Note:
1. REFER TO MECHANICAL DRAWINGS and ASD-150S FOR WALL CONSTRUCTION INFORMATION WHERE RETURN AIR DUCT IS SCHEDULED FOR INSTALLATION.



5

Note:
SPACE STUDS @ 16" O.C. AT ALL WALLS TO RECEIVE FRP, CEMENTBOARD OR MOISTURE RESISTANT GYP BOARD.



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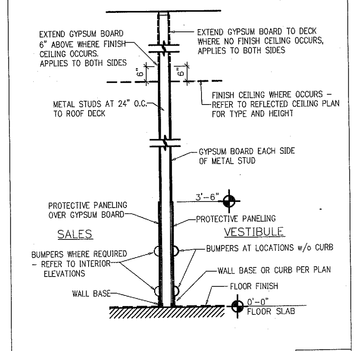
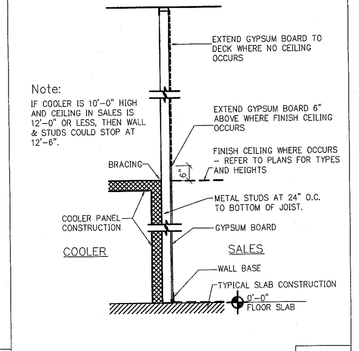


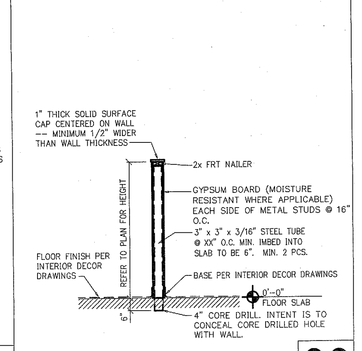
7

Note:
IF COOLER IS 10'-0" HIGH AND CEILING IN SALES IS 12'-0" OR LESS, THEN WALL & STUDS COULD STOP AT 12'-6".



13

Note:
SPACE STUDS @ 16" O.C. AT ALL WALLS TO RECEIVE FRP, CEMENTBOARD OR MOISTURE RESISTANT GYP BOARD.



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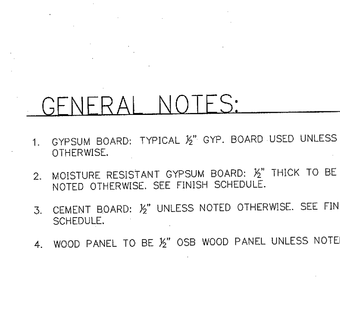
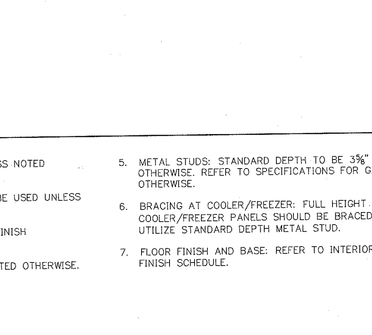


E. FAIRBANKS, SOLDOTNA, YAKIMA, NEWBERG

A

Note:
FINISHED CEILINGS:
EXTEND GYP. BD. 6" ABOVE CEILING, METAL STUDS DO NOT NEED TO EXTEND TO DECK (U.N.O.) IF BRACED BACK TO STRUCTURE ABOVE AT 48" O.C. MAX.



SOLDOTNA, YAKIMA, NEWBERG (24" OC)

H

GENERAL NOTES:

1. GYPSUM BOARD: TYPICAL ⅝" GYP. BOARD USED UNLESS NOTED OTHERWISE.
2. MOISTURE RESISTANT GYPSUM BOARD: ⅝" THICK TO BE USED UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE.
3. CEMENT BOARD: ½" UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE.
4. WOOD PANEL TO BE ½" OSB WOOD PANEL UNLESS NOTED OTHERWISE.
5. METAL STUDS: STANDARD DEPTH TO BE 3⅝" UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR GAUGE UNLESS NOTED OTHERWISE.
6. BRACING AT COOLER/FREEZER: FULL HEIGHT WALLS BUILT ALONG COOLER/FREEZER PANELS SHOULD BE BRACED AT ROOF PANEL TO UTILIZE STANDARD DEPTH METAL STUD.
7. FLOOR FINISH AND BASE: REFER TO INTERIOR DECOR PLANS & ROOM FINISH SCHEDULE.
8. WHEN ALIGNING NEW PARTITION W/ EXISTING, MATCH WALL SHEATHING THICKNESS TYP.
9. FINISHED CEILINGS: EXTEND GYP. BD. 6" ABOVE CEILING, METAL STUDS DO NOT NEED TO EXTEND TO DECK (U.N.O.) IF BRACED BACK TO STRUCTURE ABOVE; REFER TO 9/A3.2.2.
10. ALL PARTITION WITH RECESSED ELECTRIC PANELS AND TOILET SHALL BE 6" STUD.
11. FOR FLOOR TRACK BRACING, LOADING, AND DEFLECTION SYSTEM ISOLATION SEE 10/A3.2.2
12. PROVIDE EXPANSION & CONTROL JOINTS PER 11/A1.3.1
13. PROVIDE LATERAL BRACING AT NON-LOAD-BEARING METAL STUD WALLS PER 8/A3.2.2

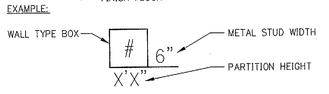
LEGEND

WALL TYPE BOX
– WALL TYPE ID

METAL STUD WIDTH
LEFT BLANK – (NOTED LEFT OR RIGHT OF WALL ID BOX) 3 5/8" METAL STUD WIDTH–STANDARD DEPTH, UNO
6" – 6" METAL STUD USED IN ASSEMBLY

PARTITION HEIGHT
LEFT BLANK – (NOTED LEFT OR RIGHT OF WALL ID BOX)
X'–X" – EXTEND ASSEMBLY SHOWN DISTANCE ABOVE FINISH FLOOR

EXAMPLE:



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SHEET TITLE:
KROGER STANDARD WALL TYPES

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DRAWN BY: RDM

CHECKED BY: TAK

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A3.2

21515177

JOB NO. 215034600.00

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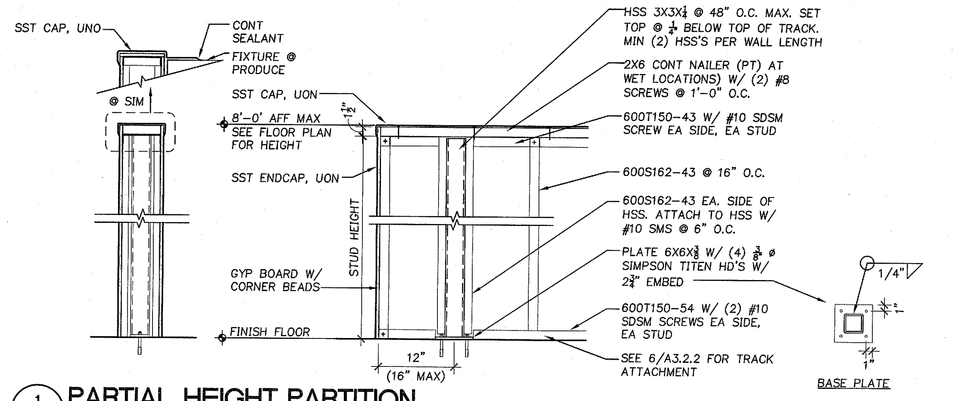
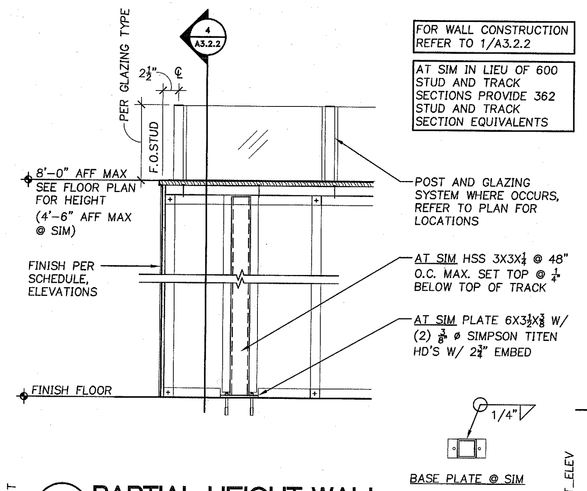
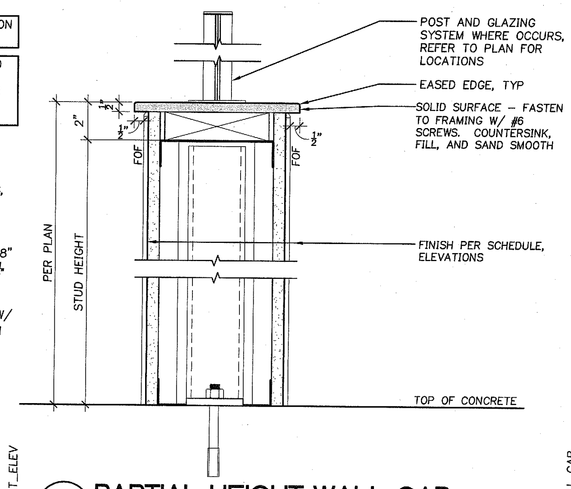


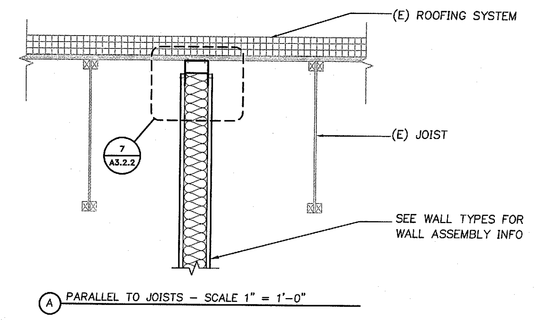
1 A3.2.2 **PARTIAL HEIGHT PARTITION** 1"=1'-0" — PART HT



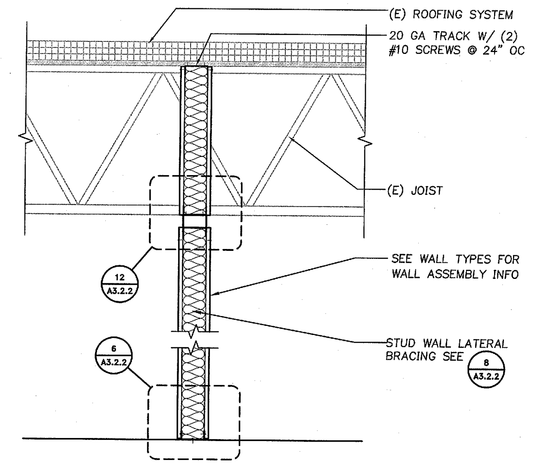
3 A3.2.2 **PARTIAL HEIGHT WALL** AT PUBLIC AREA 1"=1'-0" — PART HT ELEV



4 A3.2.2 **PARTIAL HEIGHT WALL CAP** 3"=1'-0" — LOW WALL CAP

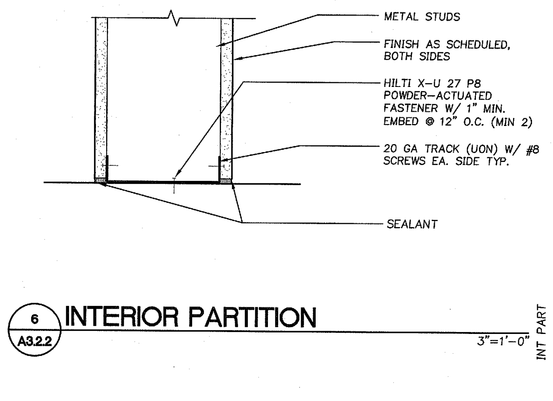


A PARALLEL TO JOISTS – SCALE 1" = 1'-0"

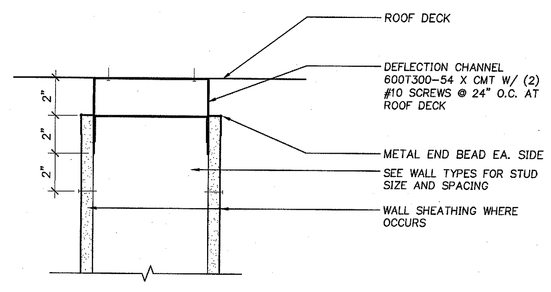


B PERPENDICULAR TO JOISTS – SCALE 1" = 1'-0"

10 A3.2.2 **FRAMING AT STRUCTURE** 1"=1'-0" — FRAME STRUCT WOOD

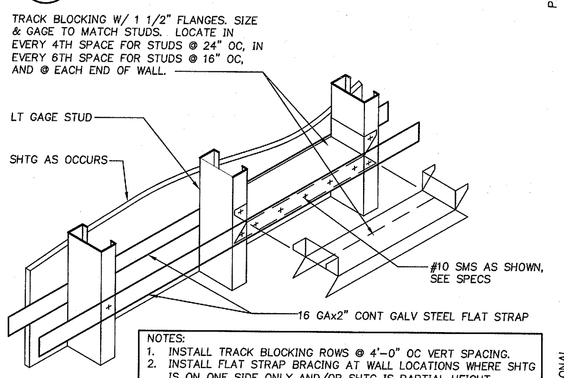


6 A3.2.2 **INTERIOR PARTITION** 3"=1'-0" — INT PART



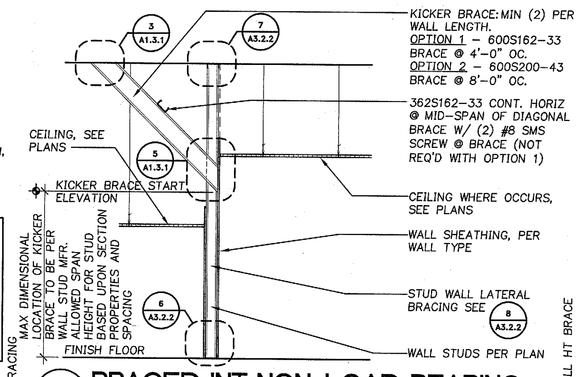
A PARALLEL TO JOISTS – SCALE 3" = 1'-0"

7 A3.2.2 **DEFLECTION CHANNEL** 3"=1'-0" — DEFLEC HEAD WOOD

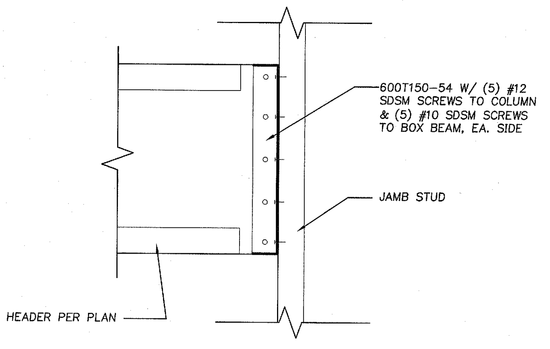


NOTES:
1. INSTALL TRACK BLOCKING ROWS @ 4'-0" OC VERT SPACING.
2. INSTALL FLAT STRAP BRACING AT WALL LOCATIONS WHERE SHTG IS ON ONE SIDE ONLY AND/OR SHTG IS PARTIAL HEIGHT. INSTALL STRAP ON SIDE W/ NO SHTG. INSTALL STRAP ON BOTH SIDES WHERE NO SHTG IS PRESENT ON EITHER SIDE.
3. IF WALL HEIGHT EXCEEDS THE ALLOWABLE HEIGHT, PER CURRENT SSMA TECHNICAL GUIDE, PROVIDE DIAGONAL KICKER BRACES, PER 9 A3.2.2

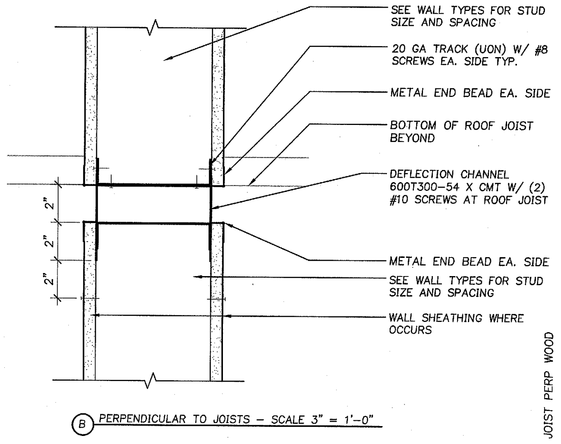
8 A3.2.2 **STUD WALL LATERAL BRACING** LOCATIONS W/ NO SHEATHING OR SHEATHING ON ONE SIDE NO SCALE — STUD BRACING



9 A3.2.2 **BRACED INT NON-LOAD BEARING** 1/2"=1'-0" — WALL FULL HT BRACE

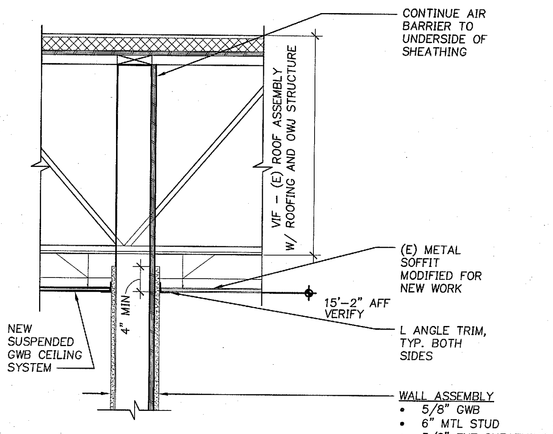


11 A3.2.2 **HEADER DETAIL** 3"=1'-0" — BOX HEADER

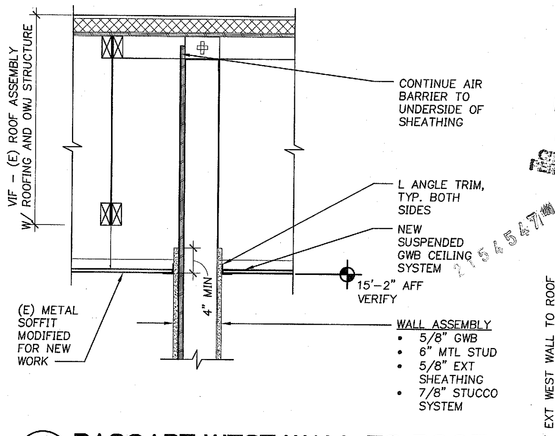


B PERPENDICULAR TO JOISTS – SCALE 3" = 1'-0"

12 A3.2.2 **DEFLECTION CHANNEL** 3"=1'-0" — DEFLEC HEAD JOIST PERP WOOD



15 A3.2.2 **BASCART EXT. WALL TO ROOF** 1"=1'-0" — BASKART EXT WALL TO ROOF



20 A3.2.2 **BASCART WEST WALL TO ROOF** 1"=1'-0" — BASKART EXT WEST WALL TO ROOF

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CHECKED BY: TAK

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PERMIT SET: DECEMBER 21, 2015

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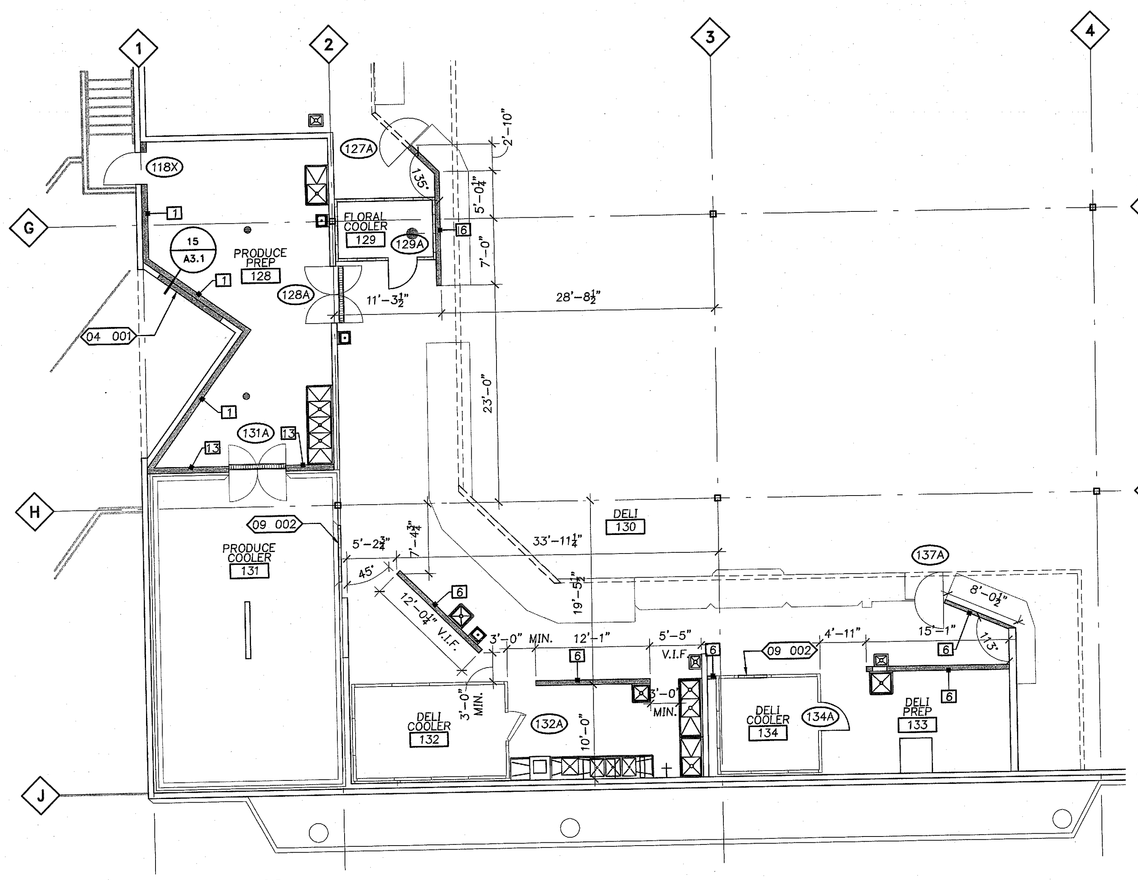
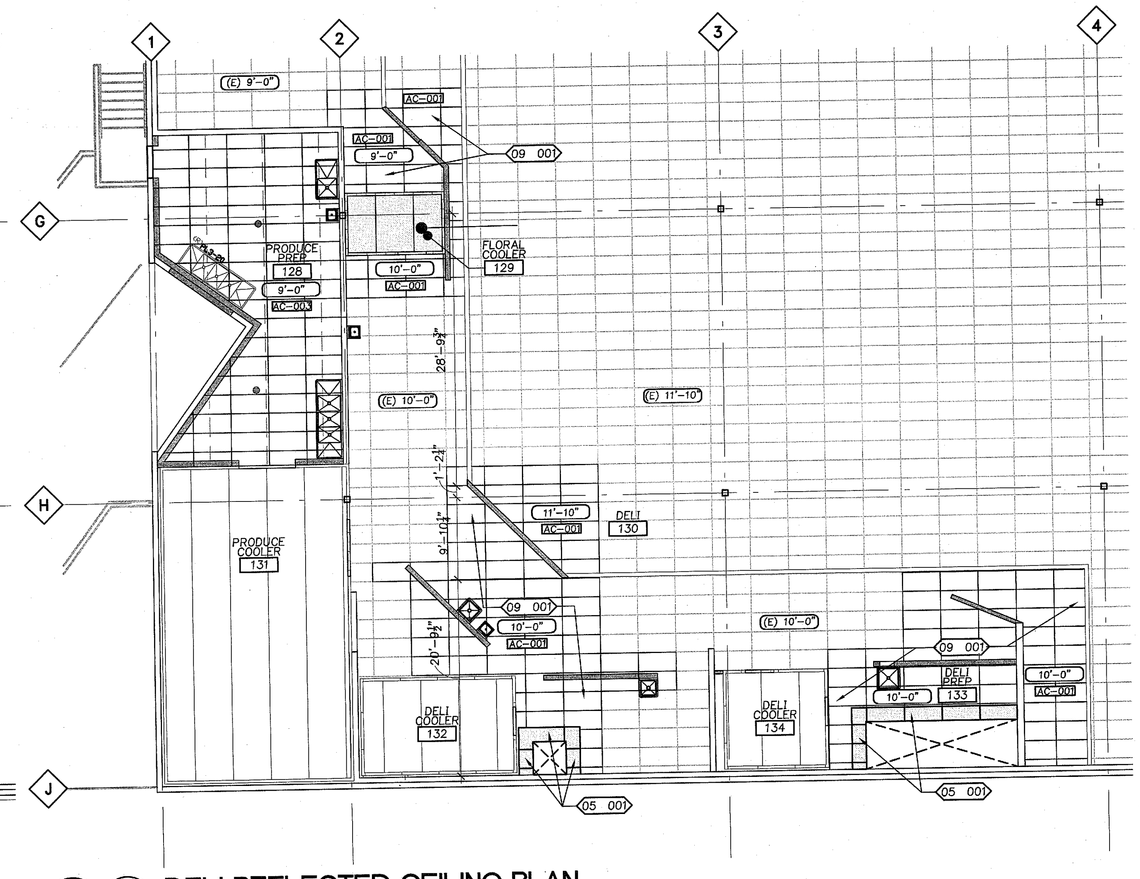
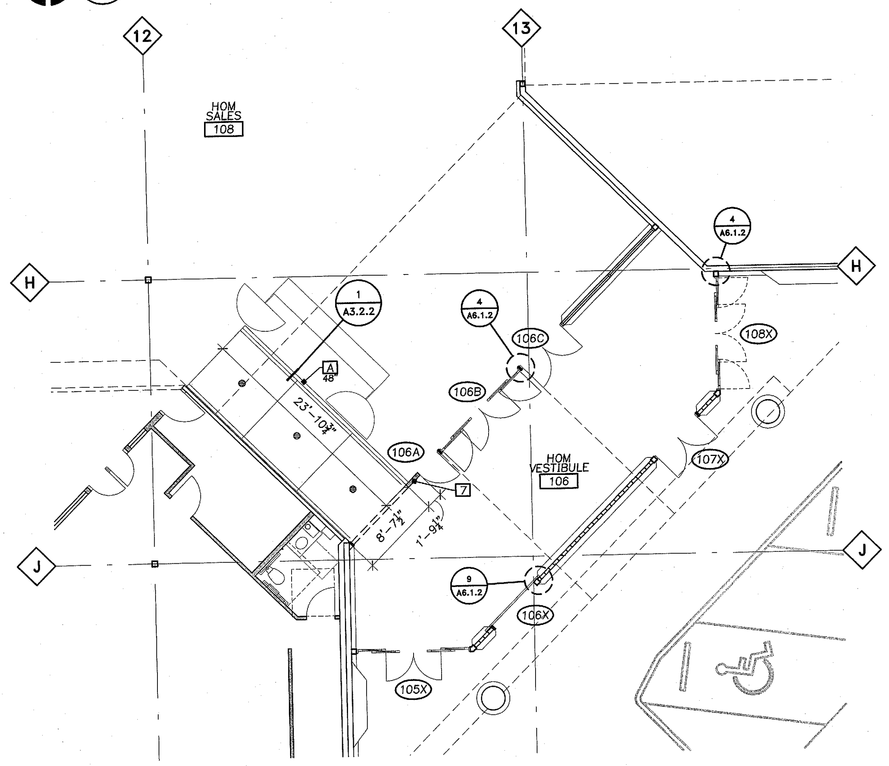


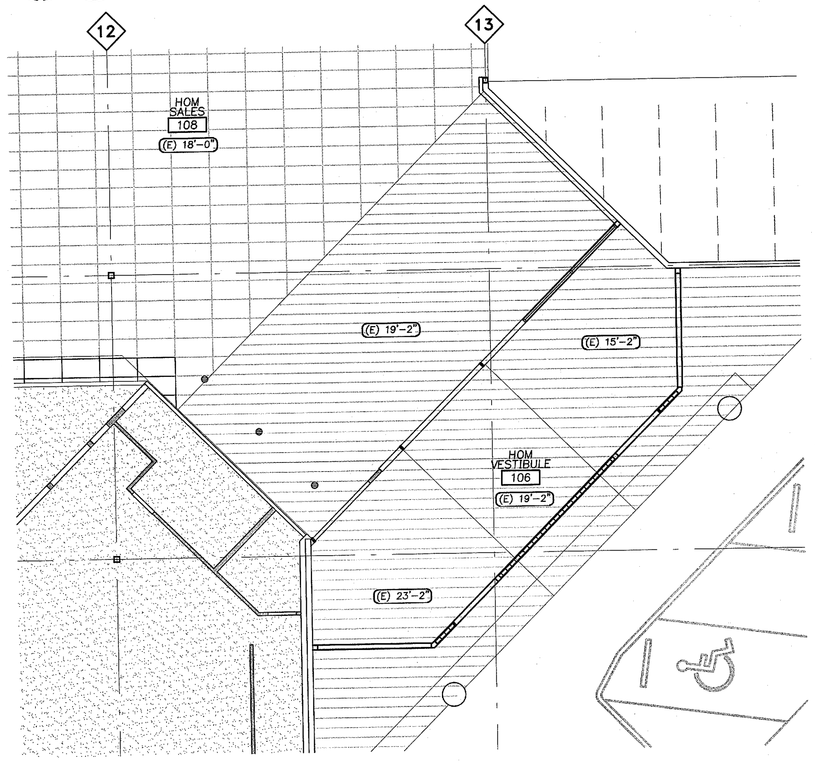
1 A4.1 DELI PLAN
1/8"=1'-0"



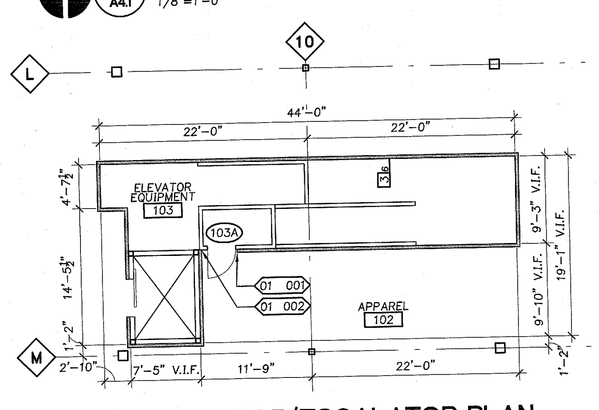
2 A4.1 DELI REFLECTED CEILING PLAN
1/8"=1'-0"



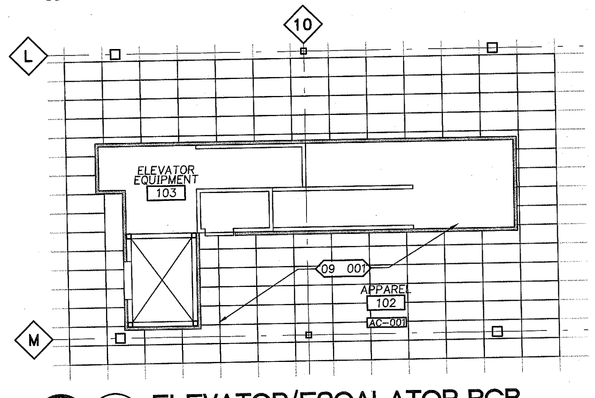
3 A4.1 HOM VESTIBULE PLAN
1/8"=1'-0"



4 A4.1 HOM VESTIBULE REFLECTED CEILING PLAN
1/8"=1'-0"



5 A4.1 ELEVATOR/ESCALATOR PLAN
1/8"=1'-0"



6 A4.1 ELEVATOR/ESCALATOR RCP
1/8"=1'-0"

A. REFER TO ASD/GISD REFERENCE PLAN A5.0 FOR ALL ASD/GISD LOCATIONS AS APPLIES.
B. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALES.
C. SEE FIXTURE PLAN FOR FIXTURE LAYOUT.
D. VERIFY ALL FINISHES WITH SIGNAGE AND GRAPHICS DRAWINGS.
E. DIMENSIONS ARE GIVEN TO COLUMN LINES, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED. DIMENSIONS MARKED "CLR" ARE FROM FINISH SURFACE TO FINISH SURFACE.
F. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB TYPICAL.
G. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS.
H. CONTRACTOR TO VERIFY REFRIGERATED SPACE DIMENSIONS AND DOOR LOCATIONS WITH COOLER BOX MFR PRIOR TO CONSTRUCTION OF ADJACENT CURBS AND/OR WALLS.
I. MAINTAIN EXITS AS REQUIRED BY AUTHORITY HAVING JURISDICTION DURING ALL PHASES OF CONSTRUCTION.
J. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AT ALL PHASES OF CONSTRUCTION PER ASD/GISD. SEE OWNERS PHASING PLAN AND SCHEDULE.
K. CONTRACTOR TO PATCH AND REPAIR ALL WALLS WHERE REQUIRED DUE TO DEMO OR AS REQUIRED TO REPAIR EXISTING DAMAGED CONDITIONS.
L. WALL CONSTRUCTION AND FINISHES ADJACENT TO DOORS AND STOREFRONT CONTINUE OVER TOP OF DOOR AND/OR STOREFRONT UNLESS NOTED OR DETAILED OTHERWISE.
M. PROVIDE BLOCKING IN ALL PARTITIONS FOR ALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO FIRE EXTINGUISHERS, GATES, HOSE RACK, TOILET PARTITIONS, BASCART DOOR OPERATORS, WALL MOUNTED DESKS, WALL MOUNTED SHELVING, DECOR/SIGNAGE, TYP. METAL STUD WALLS IN PREP AREA ROOMS WITH SHELVING TO FOLLOW BLOCKING PATTERN AS PROVIDED AT PREFAB INSULATED WALLS, COORD AS REQ.
N. ALL NEW GYPSUM BOARD ON INTERIOR PARTITIONS AND EXTERIOR WALLS BEHIND CASES AND SHELVING TO STOP AT 6'-0" AFF, SEE INTERIOR ELEVATIONS AND FIXTURE PLAN FOR FURTHER INFO.
O. ROUTE DROPS FOR REFRIGERATED CASES IN PVC PIPE. GROUP DROPS INTO LARGER PIPES TO MINIMIZE THE LOCATIONS OF PVC PIPE. PAINT PVC PIPE TO MATCH CEILING.
P. PROVIDE INSULATION/PADDING AT ALL EXPOSED PIPING UNDER SINKS PER CODE.
Q. SEE DECOR PLANS FOR LOCATIONS OF WALL TILE.
– FOR TILE TRANSITION DETAILS AT DELI AND BAKERY PREP, MEAT/SEAFOOD PREP AREAS, SEE 1 A6.2, 2 A6.2, 3 A6.2
R. IN PREP AREAS WHERE (E) SHEATHING IS REMOVED AT WALLS TO RECEIVE NEW FINISHES PROVIDE THE FOLLOWING SHEATHING: CEMENT BD TO 48" AFF & MOISTURE RATED GYP BD ABOVE

KEYNOTES

DIVISION 04 GENERAL REQUIREMENTS

01 001 RETURN (N) WALL BEFORE (E) DOOR FRAME
01 002 (N) WALL TO TERMINATE @ CORNER

DIVISION 04 MASONRY

04 001 INFILL O.H. DOOR OPENING W/ (N) MASONRY TO MATCH EXISTING

DIVISION 05 METALS

05 001 18" SS INLAY SURROUND WITHIN CEILING GRID AT HOOD

DIVISION 09 FINISHES

09 001 (N) CEILING GRID AND TILES TO MATCH (E); EXTEND (E) GRID
09 002 COOLER INFILL PANEL PER FIXTURE PLAN TO MATCH EXISTING. SIZE TO BE VERIFIED IN FIELD.

FLOOR PLAN LEGEND

EXISTING
- EXTERIOR WALL/INTERIOR PARTITION/WALK-IN BOX WALL/LOW WALL/FURRING
- STOREFRONT
- FASCIA/ROOF/OVERHANG ABOVE
- SOFFIT ABOVE

NEW
- INTERIOR PARTITION/FURRING
- STOREFRONT
- CONCRETE CURB PER ASD
- FASCIA/ROOF/OVERHANG ABOVE, SEE 16 A1.3.1
- SOFFIT ABOVE, SEE 16 A1.3.1
- LINE OF ACCESSIBLE COMPLIANT CLEARANCE AREA
- FIXTURES SHOWN FOR REFERENCE ONLY, SEE I1.1 FIXTURE PLAN – OWNER PROVIDED

RCP LEGEND

EXISTING
- FASCIA/EXTERIOR WALL/ INTERIOR PARTITION/ WALK-IN BOX WALL/ FURRING
- EXPOSED PLYWOOD CEILING
- 2x4 GRID AND CEILING TILE
- 2x2 GRID AND CEILING TILE
- GYPSUM BOARD CEILING
- WALK-IN BOX CEILING PER MANUFACTURER
- OPEN STRUCTURE, PAINT
- LIGHTING INFORMATION FOR REFERENCE ONLY, SEE ELECTRICAL
- MECHANICAL VENT FOR REFERENCE ONLY, SEE MECHANICAL
- CEILING ACCESS DOOR

NEW
- FASCIA, SEE 16 A1.3.1
- INTERIOR PARTITION/FURRING
- EXPOSED PLYWOOD CEILING
- 2x4 GRID AND CEILING TILE
- 2x2 GRID AND CEILING TILE
- GYPSUM BOARD CEILING FOR CEILING TO WALL CONNECTION
- SS LAY-IN CEILING PANEL
- WALK-IN BOX CEILING PER MANUFACTURER
- PLASTIC LAMINATE
- OPEN STRUCTURE, PAINT
- LIGHTING INFORMATION FOR REFERENCE ONLY, SEE ELECTRICAL
- MECHANICAL VENT FOR REFERENCE ONLY, SEE MECHANICAL
- CEILING ACCESS DOOR

WALL FINISH LEGEND

VERIFY EXTENTS AND LOCATION OF FINISHES WITH DECOR DRAWINGS
- CERAMIC TILE
- FRP
- STAINLESS STEEL

21545.47

PERMIT SET: DECEMBER 21, 2015

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7301 REGISTERED ARCHITECT TERRY ALLEN KRAUSE STATE OF WASHINGTON

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REVISIONS:

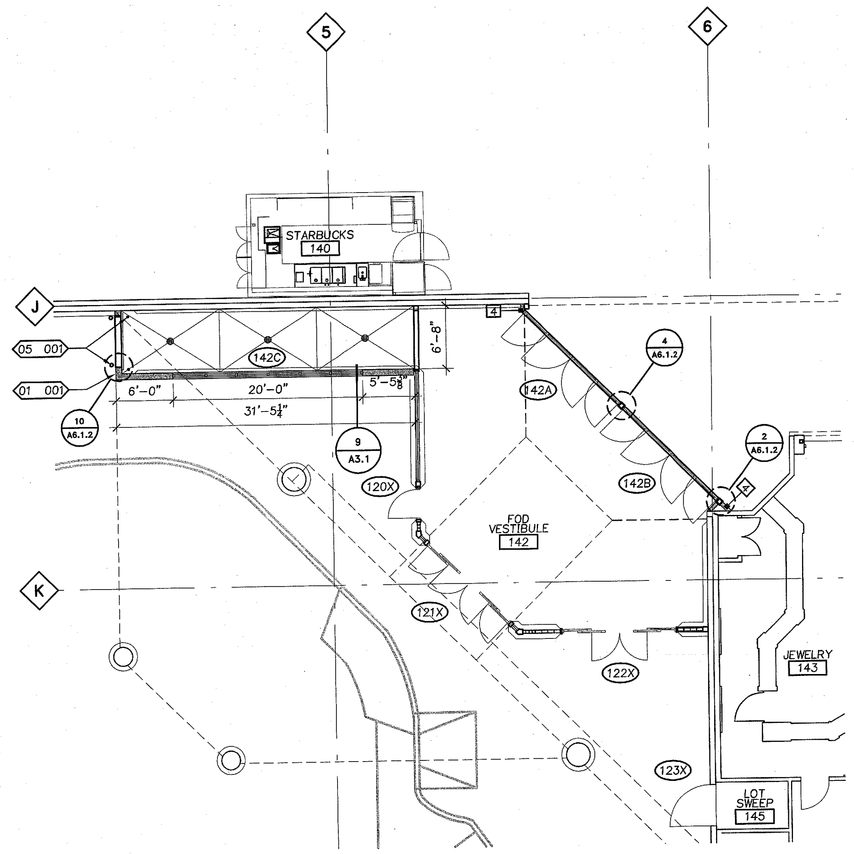
REVISION MARK	REVISIONS THIS SHEET	REVISION DELTA CLOUDING DATE

SHEET TITLE:
ENLARGED ENTRY PLANS, PARTIAL ELEVATIONS

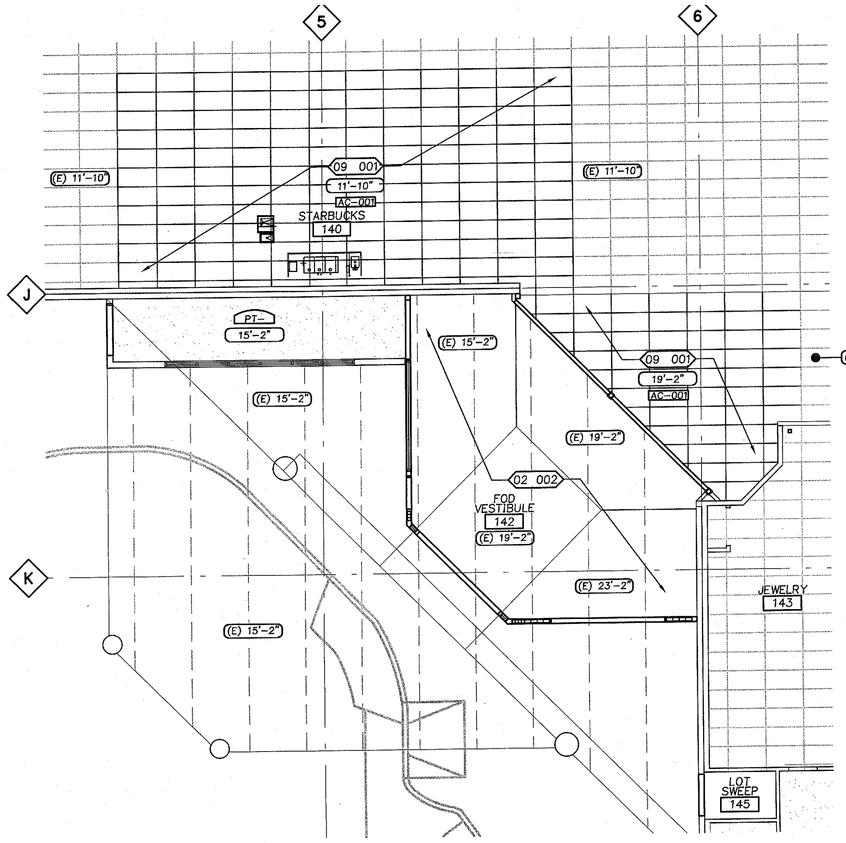
RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: RDM
CHECKED BY: TAK
SHEET
A4.1

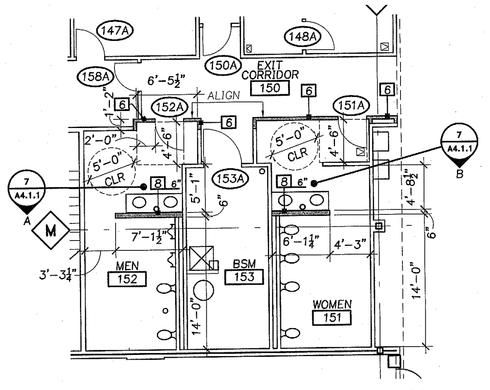
JOB NO. 215034600.00



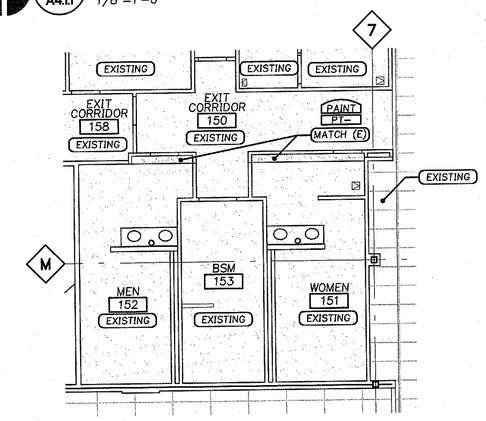
1 A4.1.1 — FOD VESTIBULE/STARBUCKS FLOOR PLAN
1/8"=1'-0"



2 A4.1.1 — FOD VESTIBULE/STARBUCKS RCP
1/8"=1'-0"



3 A4.1.1 — PUBLIC RESTROOM PLAN
1/8"=1'-0"



4 A4.1.1 — PUBLIC RESTROOM RCP
1/8"=1'-0"

A. [illegible] APPLIES.
B. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALES.
C. SEE FIXTURE PLAN FOR FIXTURE LAYOUT.
D. VERIFY ALL FINISHES WITH SIGNAGE AND GRAPHICS DRAWINGS.
E. DIMENSIONS ARE GIVEN TO COLUMN LINES, FACE OF STUD, FACE OF CMU, OR ROUGH OPENING, UNLESS NOTED OTHERWISE. ALIGN FINISHES WHERE INDICATED. DIMENSIONS MARKED "CLR" ARE FROM FINISH SURFACE TO FINISH SURFACE.
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G. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DWGS.
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M. PROVIDE BLOCKING IN ALL PARTITIONS FOR ALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO FIRE EXTINGUISHERS, GATES, HOSE RACK, TOILET PARTITIONS, BASCART DOOR OPERATORS, WALL MOUNTED DESKS, WALL MOUNTED SHELVING, DECOR/SIGNAGE, TYP. METAL STUD WALLS IN PREP AREA ROOMS WITH SHELVING TO FOLLOW BLOCKING PATTERN AS PROVIDED AT PREFAB INSULATED WALLS, COORD AS REQ.
N. ALL NEW GYPSUM BOARD ON INTERIOR PARTITIONS AND EXTERIOR WALLS BEHIND CASES AND SHELVING TO STOP AT 6'-0" AFF, SEE INTERIOR ELEVATIONS AND FIXTURE PLAN FOR FURTHER INFO.
O. ROUTE DROPS FOR REFRIGERATED CASES IN PVC PIPE. GROUP DROPS INTO LARGER PIPES TO MINIMIZE THE LOCATIONS OF PVC PIPE. PAINT PVC PIPE TO MATCH CEILING.
P. PROVIDE INSULATION/PADDING AT ALL EXPOSED PIPING UNDER SINKS PER CODE.
Q. SEE DECOR PLANS FOR LOCATIONS OF WALL TILE.
– FOR TILE TRANSITION DETAILS AT DELI AND BAKERY PREP, MEAT/SEAFOOD PREP AREAS, SEE 1 A6.1.2, 2 A6.1.2, 3 A6.1.2
R. IN PREP AREAS WHERE (E) SHEATHING IS REMOVED AT WALLS TO RECEIVE NEW FINISHES PROVIDE THE FOLLOWING SHEATHING: CEMENT BD TO 48" AFF & MOISTURE RATED GYP BD ABOVE

KEYNOTES

DIVISION 01 GENERAL REQUIREMENTS

01 001 (N) WALL, FINISHED EDGE TO BE FLUSH W/ (E) FASCIA ABOVE

DIVISION 02 EXISTING CONDITIONS

02 001 NOT USED
02 002 (E) LINEAR METAL CEILING, REPAIR AND REPAINT TO LIKE NEW CONDITION

DIVISION 05 METALS

05 001 NEW BOLLARDS PER ASD

DIVISION 10 SPECIALTIES

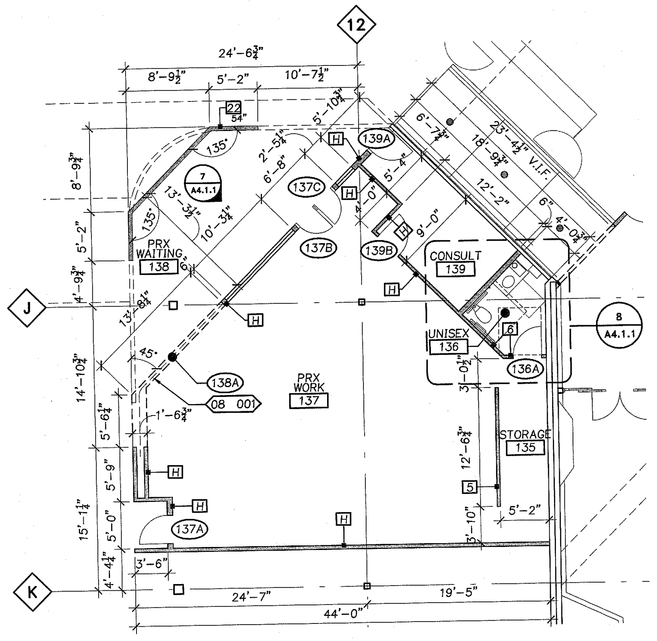
10 001 GRAB BAR (OFCI)
10 002 AUTO PAPER TOWEL DISPENSER (OFCI)
10 003 NOT USED
10 004 MIRROR: 36"X FULL LENGTH OF COUNTER, MOUNT BOTTOM OF REFLECTIVE SURFACE AT 40" A.F.F.
10 005 VERTICAL GRAB BAR (OFCI)
10 006 SANITARY NAPKIN DISPENSER (OFCI)
10 007 TOILET PAPER DISPENSER
10 008 SOLID SURFACE COUNTER WITH 4" INTEGRAL BACKSPLASH (AND SIDESPLASH WHERE OCCURS) AND INTEGRAL SINKS (9). PROVIDE 6"ø HOLE AND S.S. GARBAGE RING. SEE PSD-50.
10 009 SOAP DISPENSER (OFCI)
10 010 WASTE RECEPTACLE (OFCI)
10 011 COAT HOOK (OFCI) INSTALL AT 48" AFF, U.N.O.

DIVISION 08 OPENINGS

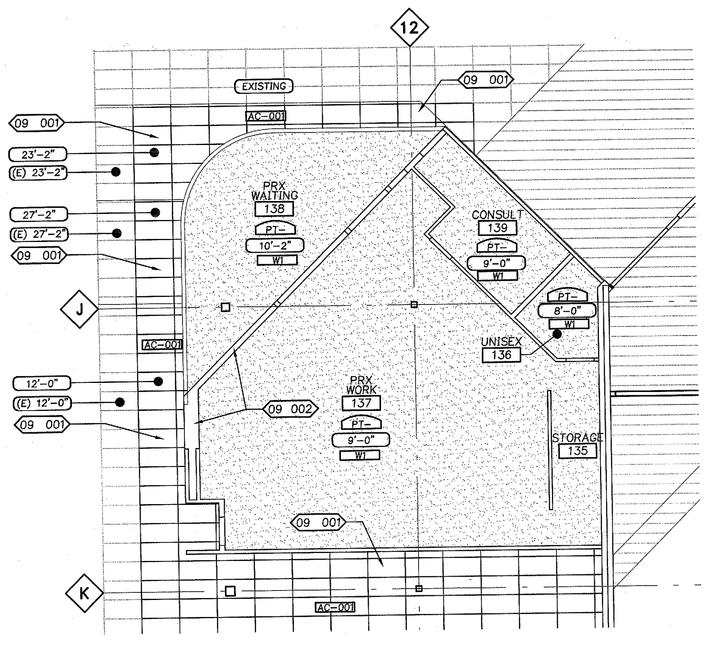
08 001 (N) 20'-0" SECURITY GRILLE

DIVISION 09 FINISHES

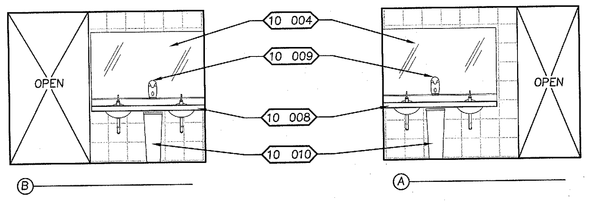
09 001 (N) CEILING GRID AND TILES TO MATCH (E): EXTEND (E) GRID
09 002 (N) SOFFIT @ 8'-0" A.F.F.



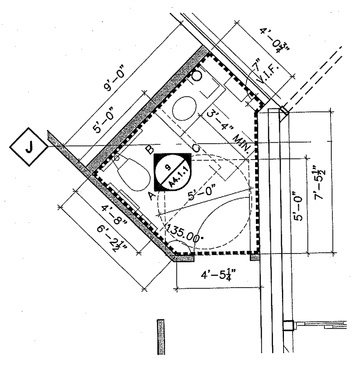
5 A4.1.1 — PHARMACY FLOOR PLAN
1/8"=1'-0"



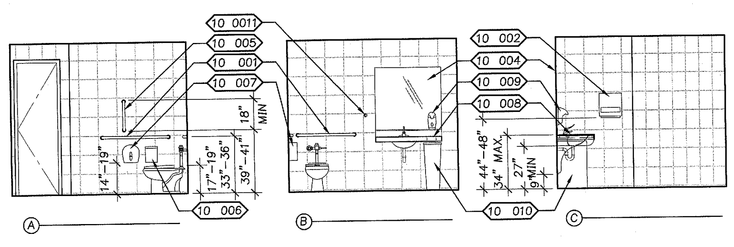
6 A4.1.1 — PHARMACY RCP
1/8"=1'-0"



7 A4.1.1 — RESTROOM ELEVATIONS
1/4"=1'-0"



8 A4.1.1 — PHARMACY RESTROOM PLAN
1/4"=1'-0"



9 A4.1.1 — RESTROOM ELEVATIONS
1/4"=1'-0"

FLOOR PLAN LEGEND

EXISTING
- EXTERIOR WALL/INTERIOR PARTITION/WALK-IN BOX WALL/LOW WALL/FURRING
- STOREFRONT
- FASCIA/ROOF/OVERHANG ABOVE
- SOFFIT ABOVE

NEW
- INTERIOR PARTITION/FURRING
- STOREFRONT
- CONCRETE CURB PER ASD
- FASCIA/ROOF/OVERHANG ABOVE, SEE 16 A1.3.1
- SOFFIT ABOVE, SEE 16 A1.3.1
- LINE OF ACCESSIBLE COMPLIANT CLEARANCE AREA
- FIXTURES SHOWN FOR REFERENCE ONLY, SEE 11.1 FIXTURE PLAN – OWNER PROVIDED

RCP LEGEND

EXISTING
- FASCIA/EXTERIOR WALL/INTERIOR PARTITION/WALK-IN BOX WALL/FURRING
- EXPOSED PLYWOOD CEILING
- 2x4 GRID AND CEILING TILE
- 2x2 GRID AND CEILING TILE
- GYPSUM BOARD CEILING
- WALK-IN BOX CEILING PER MANUFACTURER
- OPEN STRUCTURE, PAINT
- LIGHTING INFORMATION FOR REFERENCE ONLY, SEE ELECTRICAL
- MECHANICAL VENT FOR REFERENCE ONLY, SEE MECHANICAL
- CEILING ACCESS DOOR

NEW
- FASCIA, SEE 16 A1.3.1
- INTERIOR PARTITION/FURRING
- EXPOSED PLYWOOD CEILING
- 2x4 GRID AND CEILING TILE
- 2x2 GRID AND CEILING TILE
- GYPSUM BOARD CEILING FOR CEILING TO WALL CONNECTION
- SS LAY-IN CEILING PANEL
- WALK-IN BOX CEILING PER MANUFACTURER
- PLASTIC LAMINATE
- OPEN STRUCTURE, PAINT
- LIGHTING INFORMATION FOR REFERENCE ONLY, SEE ELECTRICAL
- MECHANICAL VENT FOR REFERENCE ONLY, SEE MECHANICAL
- CEILING ACCESS DOOR

WALL FINISH LEGEND

VERIFY EXTENTS AND LOCATION OF FINISHES WITH DECOR DRAWINGS

- CERAMIC TILE
- FRP
- STAINLESS STEEL

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REVISION NO.	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE

RECEIVED
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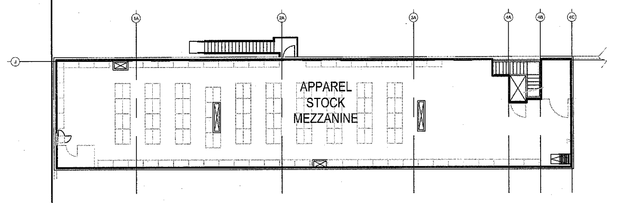
SHEET TITLE:
ENLARGED FLOOR PLAN DELI, BAKERY, PRODUCE

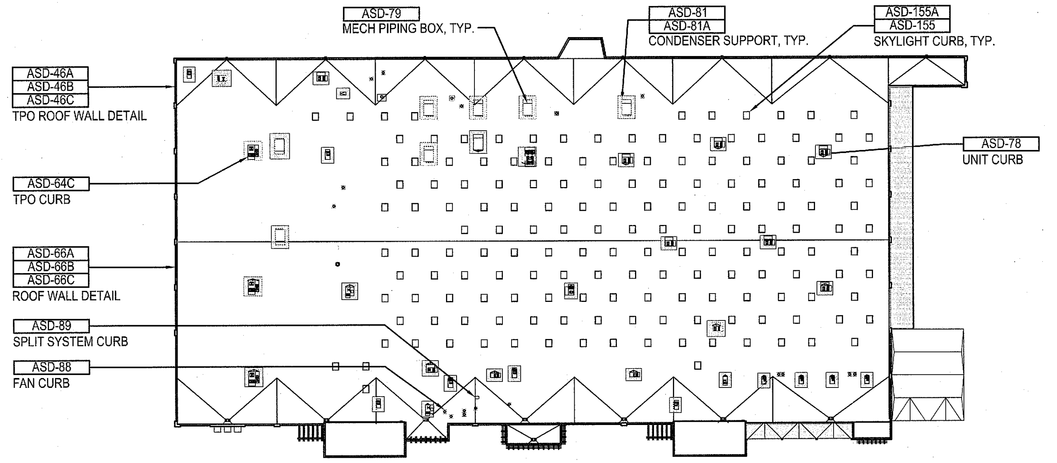
DRAWN BY: RDM
CHECKED BY: TAK
SHEET
A4.1.1

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

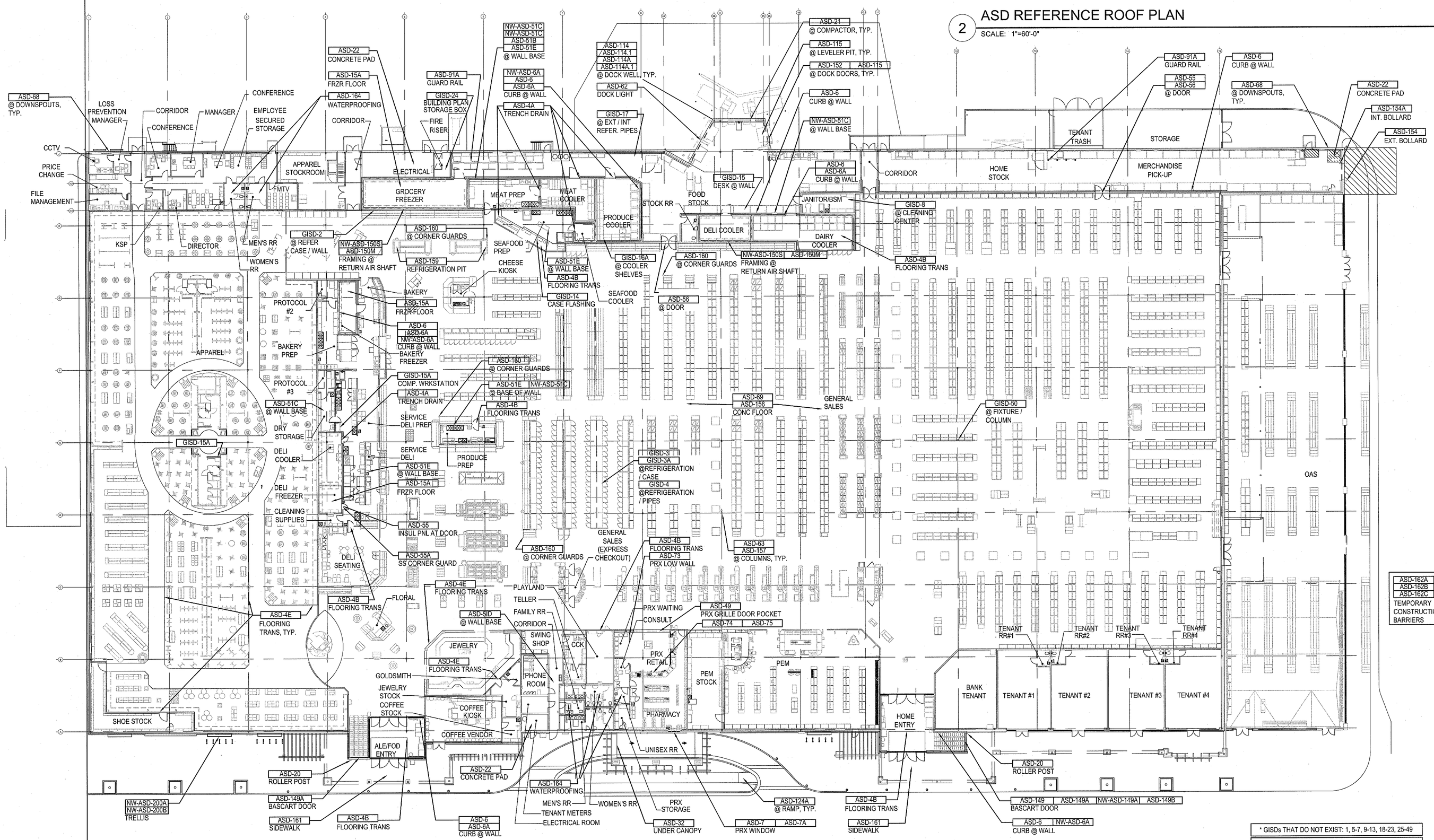
THIS IS A GENERIC PROTOTYPICAL PLAN FOR REFERENCE. APPLY ASD'S AND GISD'S AS APPLICABLE IN SIMILAR CONDITIONS AT THIS REMODEL





2 ASD REFERENCE ROOF PLAN

SCALE: 1"=60'-0"



1 ASD/GISD PROTOTYPE MASTER REFERENCE PLAN (NOT STORE SPECIFIC)

SCALE: 1"=20'-0"

* GISDs THAT DO NOT EXIST: 1, 5-7, 9-13, 18-23, 25-49

PER ASD POSTED 03/02/15

215157

GENERAL NOTES :

ALL EQUIPMENT TO BE SHOWN UNLESS NOTED OTHERWISE. THE FULL EXTENT OF DEMOLITION AND REMOVAL OF EXISTING, METAL AND/OR RELOCATED EQUIPMENT, SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLANS AND/OR FIELD SURVEY. PRIOR TO CONSTRUCTION, THIS INFORMATION MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE: DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. THE DESIGN OF THE BUILDING TO CONFORM TO ALL APPLICABLE LAWS, CODES, AND REGULATIONS IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER. ALL WORK SHALL CONFORM TO THE LAWS AND REGULATIONS OF THE JURISDICTION HAVING JURISDICTION. IT IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER.

Fred Meyer

BANNER DECOR

3800 S.E. 22ND AVENUE
PORTLAND , OR

PHONE: (503) 797-3507 FAX :(503) 797-3539

Kroger

GENERAL OFFICE
FACILITY ENGINEERING
1014 VINE ST, CINCINNATI, OHIO 45202
PH (513) 762-1400 FAX (513) 762-1405

REMODEL

FM-172

KENT, WA

CURRENT PLAN DATE:
RECD 12/21/2015
ORIGINAL PLAN DATE
DEC 22 2015
CHECKED
CITY OF KENT
DEVELOPMENT CENTER

STANDARD PLOTTED SCALE:
REFER TO DRAWING SCALE

BUILDING STATS:

TOTAL SHELVING	
SALES AREA	
% OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

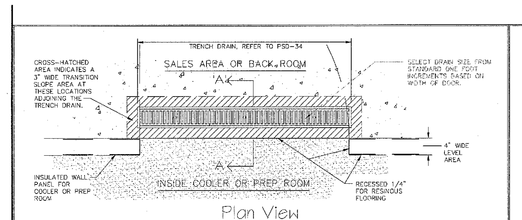
ASD/GISD REF. PLAN

STEEL PACKAGE ID

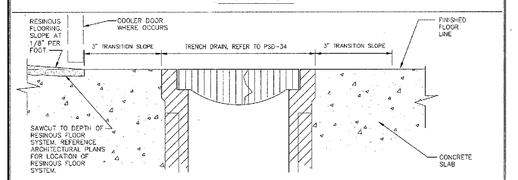
SHEET:

A5.0

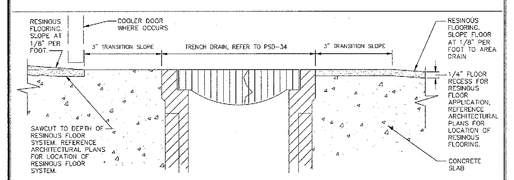
CAD FILE: 172-A5.0.dwg



Plan View



Section 'A-A' -- Trench Drain Floor Transition Outside of Cooler(s)



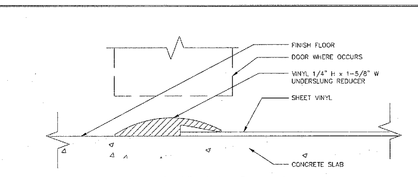
Section 'A-A' -- Trench Drain Floor Transition Outside of Prep Area(s)

Note:

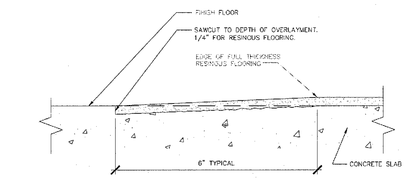
1. Reference Architectural Plans for Extent of Resinous Flooring.
2. Refer to Specifications for Products.

RESINOUS FLOORING TRANSITIONS	DATE: 5/7/14
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-4A

ORIGINAL ISSUE DATE 1/31/11



A. Vinyl to Concrete



B. RESINOUS TO FINISH FLOOR TRANSITION FOR REMODELS

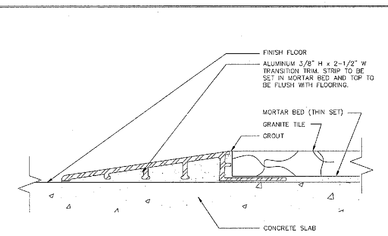
HALF SIZE

Note:

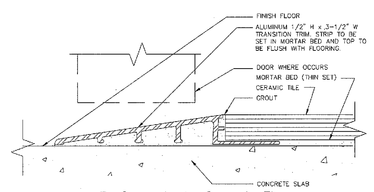
REFER TO SPECIFICATIONS FOR PRODUCTS.

TRANSITION DETAILS	DATE: 7/29/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-4B

ORIGINAL ISSUE DATE 11/10/11



A. Concrete to Granite Fred Meyer Jewelry



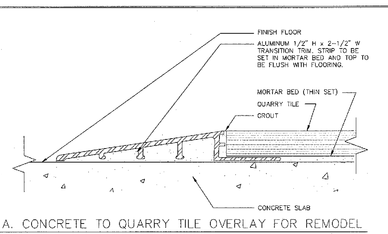
B. Concrete to Ceramic Tile

Note:

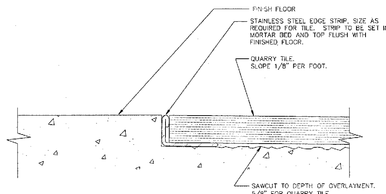
REFER TO SPECIFICATIONS FOR PRODUCTS.

TILE TRANSITION DETAILS	DATE: 7/29/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-4C

ORIGINAL ISSUE DATE 11/10/11



A. CONCRETE TO QUARRY TILE OVERLAY FOR REMODEL



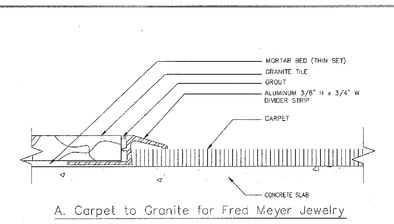
B. QUARRY TILE TO FINISH FLOOR FLUSH TRANSITION FOR REMODELS

Note:

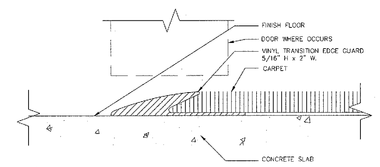
REFER TO SPECIFICATIONS FOR PRODUCTS.

QUARRY TILE TRANSITION DETAILS	DATE: 7/29/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-4D

ORIGINAL ISSUE DATE 11/10/11



A. Carpet to Granite for Fred Meyer Jewelry



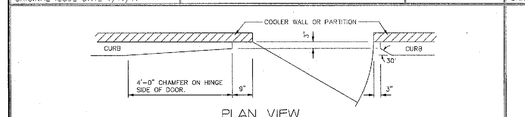
B. Carpet to Concrete/ Vinyl

Note:

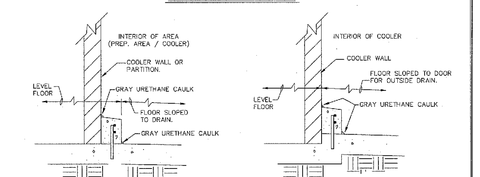
REFER TO SPECIFICATIONS FOR PRODUCTS.

CARPET TRANSITION DETAILS	DATE: 7/29/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-4E

ORIGINAL ISSUE DATE 7/29/13



PLAN VIEW

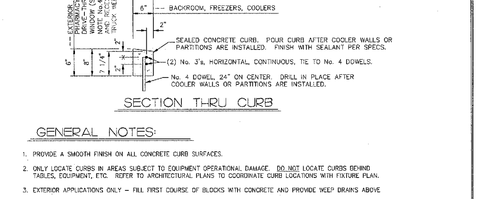


SECTION 'A' (PREP AREAS and COOLERS WITH INSIDE DRAINS)

SECTION 'B' (COOLERS WITH OUTSIDE DRAIN "ONLY")

** Note:

THIS DESIGN ALSO APPLIES TO FREEZER APPLICATIONS BUT WITHOUT DRAIN AND WITH LEVEL FLOOR.



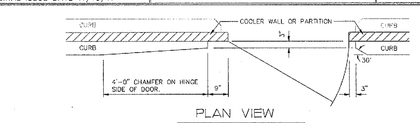
SECTION THRU CURB

GENERAL NOTES:

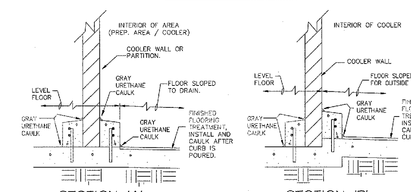
1. PROVIDE A SMOOTH FINISH ON ALL CONCRETE CURB SURFACES.
2. ONLY LOCATE CURBS IN AREAS SUBJECT TO EQUIPMENT OPERATIONAL DAMAGE. DO NOT LOCATE CURBS BEHIND TABLES, EQUIPMENT, ETC. REFER TO ARCHITECTURAL PLANS TO COORDINATE CURB LOCATIONS WITH FIXTURE PLAN.
3. EXTERIOR APPLICATIONS ONLY = FILL FIRST COURSE OF BLOCKS WITH CONCRETE AND PROVIDE WEEP DRAINS ABOVE CURB AS NEEDED.
4. EXCEPTION = 6" HIGH CURB ALONG EXTERIOR WALL AT PHARMACY DRIVE-THRU WINDOW. LINE OF PAVEMENT DROPPED 6" BELOW INSIDE FINISHED FLOOR.

POURED CONCRETE CURB DETAIL (FOR AREAS WITHOUT FLOOR FINISH)	DATE: 11/7/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-6

ORIGINAL ISSUE DATE 2/20/06

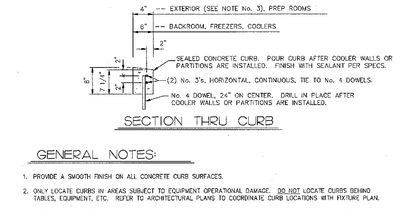


PLAN VIEW



SECTION 'A' (PREP AREAS and COOLERS WITH INSIDE DRAINS)

SECTION 'B' (COOLERS WITH OUTSIDE DRAIN "ONLY")



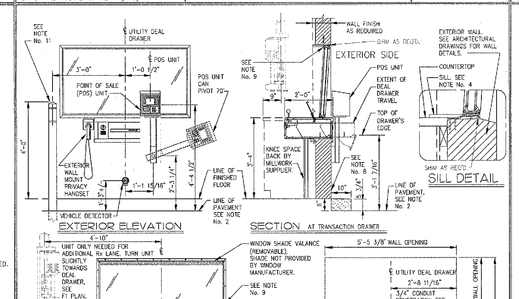
SECTION THRU CURB

GENERAL NOTES:

1. PROVIDE A SMOOTH FINISH ON ALL CONCRETE CURB SURFACES.
2. ONLY LOCATE CURBS IN AREAS SUBJECT TO EQUIPMENT OPERATIONAL DAMAGE. DO NOT LOCATE CURBS BEHIND TABLES, EQUIPMENT, ETC. REFER TO ARCHITECTURAL PLANS TO COORDINATE CURB LOCATIONS WITH FIXTURE PLAN.
3. EXTERIOR APPLICATIONS ONLY = FILL FIRST COURSE OF BLOCKS WITH CONCRETE AND PROVIDE WEEP DRAINS ABOVE CURB AS NEEDED.

POURED CONCRETE CURB DETAIL (FOR AREAS WITH FLOOR FINISH)	DATE: 1/21/14
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-6A

ORIGINAL ISSUE DATE 6/8/08



NOTES:

1. PHARMACY WINDOW AND POS UNIT ARE DIRECT BUY ITEMS -- KROGER SUPPLIED AND KROGER INSTALLED.
2. KROGER REQUIREMENT: EXTERIOR PAVEMENT ELEVATION SHALL MATCH FINISHED INTERIOR FLOOR ELEVATION, FOR PROPER OPERATION.
3. GENERAL CONTRACTOR TO SEAL AND CAULK OPENING AFTER INSTALLATION OF WINDOW AND SILL DEVICE.
4. GENERAL CONTRACTOR TO PROVIDE MINIMUM 1/2" THICK SILL WITHOUT OBSTRUCTING SEAL DRAINER FUNCTION.
5. REQUIRED DIMENSIONS INDICATED FOR WINDOW OPENING MUST INCLUDE FINAL EXTERIOR FINISHES.
6. PERIMETER OPENING FOR WINDOW TO BE FINISHED WITH SOLID MATERIALS SO WINDOW CAN BE SECURELY FASTENED.
7. REFER TO MANUFACTURER'S INSTALLATION DETAILS FOR ADDITIONAL INFORMATION.
8. FILL FIRST COURSE OF BLOCKS WITH CONCRETE AND PROVIDE WEEP DRAINS ABOVE THE CURB AS NEEDED.
9. REMOVABLE FRAME AND SCREENS SHALL NOT BE COVERED BY FLASHING OR FINISHES, TO FACILITATE REPLACEMENT OF WINDOW IF NEEDED.
10. OUTLETS / CONNECTION POINTS SHOWN FOR COORDINATION. REFER TO ELECTRICAL PLANS FOR ACTUAL POWER REQUIREMENTS.

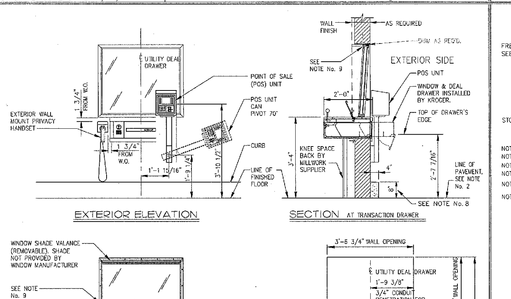
Note:

Detail Based on Diebold Window -- 254-01 D/R Window Drawer -- 254-05 Transaction Drawer

* Refer to Manufacturer's Project Installation Drawings for Additional Information.

DIEBOLD DRIVE-THRU PHARMACY WINDOW	DATE: 6/5/15
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-7

ORIGINAL ISSUE DATE 2/20/06



NOTES:

1. PHARMACY WINDOW AND POS UNIT ARE DIRECT BUY ITEMS -- KROGER SUPPLIED AND KROGER INSTALLED.
2. KROGER REQUIREMENT: EXTERIOR PAVEMENT ELEVATION SHALL MATCH FINISHED INTERIOR FLOOR ELEVATION, FOR PROPER OPERATION.
3. GENERAL CONTRACTOR TO SEAL AND CAULK OPENING AFTER INSTALLATION OF WINDOW AND SILL DEVICE.
4. GENERAL CONTRACTOR TO PROVIDE MINIMUM 1/2" THICK SILL WITHOUT OBSTRUCTING SEAL DRAINER FUNCTION.
5. REQUIRED DIMENSIONS INDICATED FOR WINDOW OPENING MUST INCLUDE FINAL EXTERIOR FINISHES.
6. PERIMETER OPENING FOR WINDOW TO BE FINISHED WITH SOLID MATERIALS SO WINDOW CAN BE SECURELY FASTENED.
7. REFER TO MANUFACTURER'S INSTALLATION DETAILS FOR ADDITIONAL INFORMATION.
8. FILL FIRST COURSE OF BLOCKS WITH CONCRETE AND PROVIDE WEEP DRAINS ABOVE THE CURB AS NEEDED.
9. REMOVABLE FRAME AND SCREENS SHALL NOT BE COVERED BY FLASHING OR FINISHES, TO FACILITATE REPLACEMENT OF WINDOW IF NEEDED.

POWER REQUIREMENTS:

PROVIDE (1) EA. DUPLEX OUTLET ON (1) 120 VAC, 60 HZ, 1 PHASE 20 AMP, DEDICATED CIRCUIT FOR:

(1) OPTIONAL HEATER WHEN ORDERED

(1) PBX SYSTEM, ALSO PROVIDE PHONE JACK.

(1) POS TERMINAL, ALSO PROVIDE A DEDICATED NETWORK JACK.

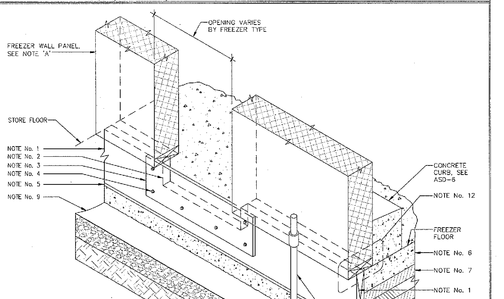
Note:

Detail Based on Diebold Window -- 254-01 D/R Window Drawer -- 254-05 Transaction Drawer

* Refer to Manufacturer's Project Installation Drawings for Additional Information.

DIEBOLD WALK-UP PHARMACY WINDOW	DATE: 6/3/15
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-7A

ORIGINAL ISSUE DATE 2/20/06



ISOMETRIC

NOTES:

1. TREATED 2"x6" WOOD BLOCKING AS THERMAL BREAK FOR FULL DEPTH OF FREEZER SLAB AS INDICATED.
2. NOTCH VERTICAL WOOD BLOCKING AT FREEZER DOOR (4" DEEP x 3" WIDE) THAN DOOR OPENING TO ALLOW 1" THICK FREEZER FLOOR SLAB TO FLOW THROUGH.
3. 1/2" THICK x 7" HIGH PIECE OF H. D. POLYETHYLENE PANEL TO EXTEND 3" BEYOND NOTCH IN WOOD BLOCKING (LENGTH OF NOTCH DEPENDS ON WIDTH OF OPENING).
4. 1/4" x 1 1/4" GALVANIZED LAG SCREW WITH WASHER TWO SCREWS AT ENDS OF EACH PANEL INTO WOOD BLOCKING. ALONG THE BOTTOM AT CENTERLINE IN WOOD BLOCKING.
5. INSTALL 1x8 WOOD FILLER STRIP TO BOTTOM OF DOOR TO EQUAL TOTAL DEPTH OF INSULATION PLUS CONCRETE FREEZER FLOOR.
6. 4" THICK CONCRETE FREEZER FLOOR TO HAVE A MAGNESIUM FLOAT FINISH.
7. THREE 2" THICK LAYERS OF EXTRUDED--POLYSTYRENE, VAPOR INSULATION BOARD, STAGGER JOINTS. SEE SPECS.
8. 8" THICK (MIN.) CONCRETE BASE.
9. VAPOR RETARDER PER SECTION 033105 SPECIFICATIONS. EXTEND VAPOR RETARDER 2'-0" MIN. BEYOND PERIMETER OF FREEZER.
10. 4" (MIN.) BASE OF WASHED GRAVEL.
11. COMPACTED EARTH.
12. REFER TO FREEZER MANUFACTURER'S DRAWINGS FOR INSTALLATION OF PANEL WALL TO FLOOR CONSTRUCTION.

Note:

Detail Based on HH Phoenix Panel System Design: Freezer - Metal Frame Wall to Floor Insulated Side 4 Standard Mech Style Door

* Refer to Manufacturer's Project Installation Drawings for Additional Information.

H.D. Polyethylene Panel, refer to Building Specification Section 06 10 53 for further information.

Recommended Temperature Pull Down Procedure:

ALLOW THE FLOOR TO CURE 7 DAYS WITHOUT ANY REFRIGERATION THEN START UP AND BRING THE TEMPERATURE DOWN AS FOLLOWS:

A. RUN FREEZER 24 HOURS AT 40F.
B. RUN FREEZER 24 HOURS AT 20F.
C. RUN FREEZER 24 HOURS AT 20F.
D. THEN SLOWLY DOWN TO OPERATING TEMPERATURE.

Kroger Supplied:

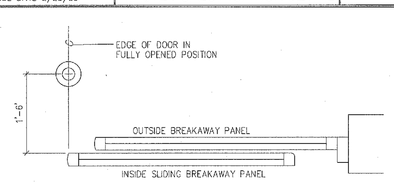
A. WOOD FRAME INSULATED PANEL, INCLUDING KEY WAY & GALVANIZED STEEL ANGLE, REFER TO MANUFACTURER'S INSTALLATION DETAILS.
B. FREEZER DOOR (NOT SHOWN) INCLUDING DOUBLE BLADED STRIP CURTAIN, REFER TO DETAIL ON SECTION 07 00 00, REFER TO MANUFACTURER'S INSTALLATION DETAILS.

Contractor Supplied:

ALL OTHER MATERIALS INDICATED.

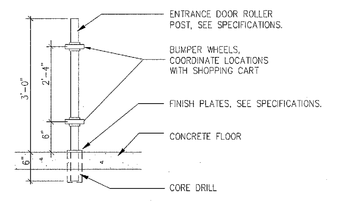
FREEZER FLOOR AND DOOR THRESHOLD	DATE: 11/21/14
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-15A

ORIGINAL ISSUE DATE 2/20/06



PLAN @ AUTOMATIC ENTRANCE DOORS

THE POSITIONING OF THE EXTERIOR ROLLER POSTS SHOULD STILL PROVIDE A MINIMUM 44" OF EMERGENCY EGRESS WHEN THE INSIDE SLIDING PANELS OF AUTO ENTRANCE SLIDING DOORS ARE BROKEN OPEN FROM THE CLOSED POSITION.



POST ELEVATION

ROLLER POSTS ARE TO BE CORE DRILLED AND SET 6" BELOW FINISH FLOOR AFTER AUTOMATIC DOORS ARE INSTALLED

INSTALLATION INSTRUCTIONS:

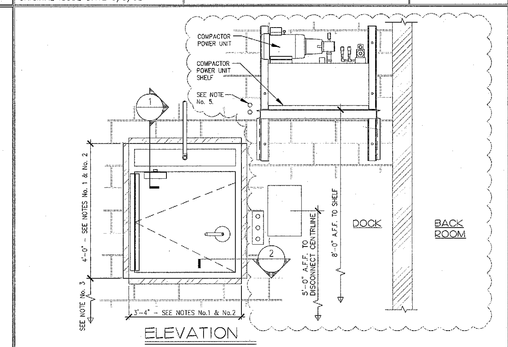
1. CORE DRILL 2 1/2" DIAMETER HOLE, 6" DEEP SET WITH FAST-DRY, NON-SHRINK GROUT. GROUT MUST MEET OR EXCEED ASTM C 1107.

Note:

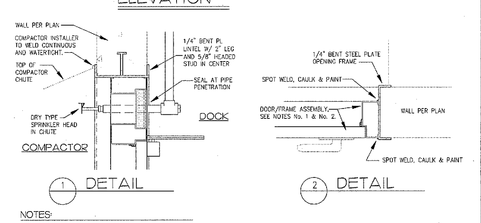
Installation Instructions from Curries Engineering Co. Bollard Size and Spacing No. 16150, CE-940 & CE-941.

ENTRANCE DOOR ROLLER POST INSTALLATION	DATE: 5/7/14
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-20

ORIGINAL ISSUE DATE 2/20/06



ELEVATION



1 DETAIL 2 DETAIL

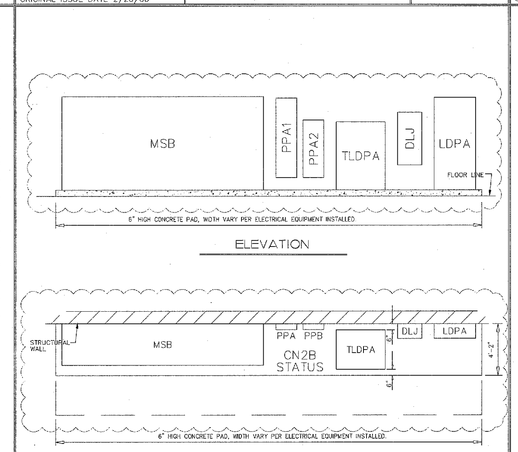
NOTES:

1. STEEL CHANNEL FRAME CONTINUOUS AROUND OPENING IS FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
2. MANUFACTURED DOOR/FRAME ASSEMBLY WITH HARDWARE, WITH KEY LOCK SHALL BE INCLUDED IN KROGER HARDWARE PACKAGE, SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.
3. DOOR TO BE INSTALLED 4'-0" AFF IN RECESSED DOCK APPLICATIONS WHERE COMPACTOR IS INSTALLED 600 MM BELOW.
4. DOOR TO BE INSTALLED 4'-0" AFF IN SPECIAL APPLICATIONS WHERE COMPACTOR IS INSTALLED ON PAD ELEVATION THE SAME AS INC DOCK FLOOR ELEVATION.
5. CONTRACTOR TO PROVIDE HOLES FOR HORIZONTAL HOSES.

4-DIGIT NUMBER: PTR Compactor Power Unit Shelf #K-002110

COMPACTOR CHUTE DOOR, POWER UNIT & SHELF	DATE: 6/5/15
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-21

ORIGINAL ISSUE DATE 12/19/07

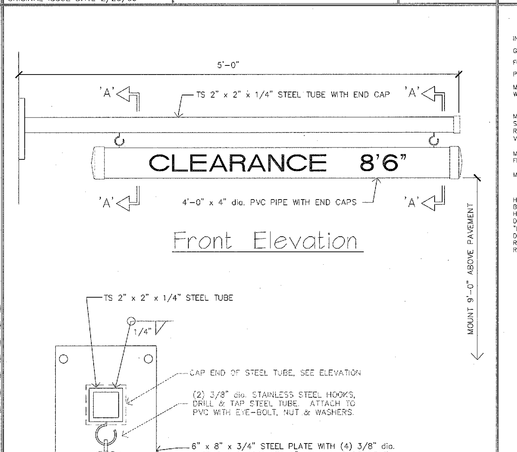


NOTES:

1. CONCRETE PAD IS INTENDED TO PROVIDE PHYSICAL PROTECTION FOR ELECTRICAL EQUIPMENT WHERE SUBJECT TO DAMAGE FROM MATERIAL HANDLING EQUIPMENT. IN ADDITION TO STOPPING WATER FROM GOING UNDER ELECTRICAL EQUIPMENT IN CASE OF AN ACCIDENTAL WATER LEAK WITHIN THE AREA (i.e. ACCIDENTAL DISCHARGE OF THE FIRE SUPPRESSION SYSTEM, ROOF LEAK, etc.).
2. ELECTRICAL EQUIPMENT INDICATED IS BASED ON STANDARD 2000 AMP. ELECTRIC SWITCHGEAR.
3. 6" CLEARANCE REQUIRED ON ALL SIDES OF TRANSFORMER FOR AIR CIRCULATION.

ELECTRICAL EQUIPMENT CONCRETE PROTECTION PAD	DATE: 7/29/14
	SCALE: NONE
	DRAWN: THW/ZAW
MASTER SPECIFICATION DETAIL	ASD-22

ORIGINAL ISSUE DATE 7/6/06



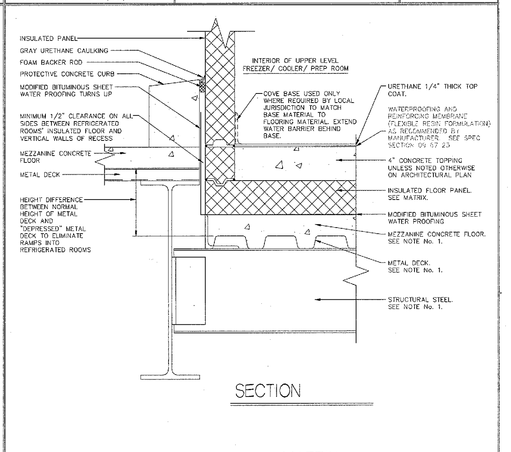
Section 'A-A'

Notes:

MOUNT BAR 18"-0" BEFORE AWNING/CANOPY ON APPROACH SIDE OF DRIVE- THRU. ADJUST HEIGHT OF PVC PIPE ACCORDING TO HEIGHT OF CANOPY.

DRIVE THRU CANOPY CLEARANCE INDICATOR	DATE: 5/17/10
	SCALE: NONE
	DRAWN: JFQ
MASTER SPECIFICATION DETAIL	ASD-32

ORIGINAL ISSUE DATE 4/11/07



SECTION

NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

MATRIX

DESCRIPTION	INSULATED FLOOR PANEL THICKNESS OVER CONDITIONED SPACE	INSULATED FLOOR PANEL THICKNESS OVER UNCONDITIONED SPACE
MEDIUM TEMP. COOLER, PREP ROOM	3.5"	3.5"
LOW TEMP. FREEZER	5"	5"

APPLIES TO COOLERS, FREEZERS AND PREP ROOMS

UPPER LEVEL INSULATED FLOORS	DATE: 7/29/14
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-40

ORIGINAL ISSUE DATE 1/14/13

PER ASD POSTED 03/02/15

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED NEW, UNLESS NOTED OTHERWISE. THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED WORK SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLANS AND/OR EXISTING CONDITIONS. CONTRACTOR TO VERIFY ALL WORK MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. IT IS THE RESPONSIBILITY OF THE ARCHITECT OF RECORD TO ENSURE THAT ALL APPLICABLE REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION AUTHORITIES HAVING JURISDICTION ARE MET. ANY DEVIATIONS FROM THESE REQUIREMENTS DUE TO LOCAL JURISDICTION IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER.

Fred Meyer

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Kroger

GENERAL OFFICE
FACILITY ENGINEERING
PH (513) 762-1457 1014 VINE ST. CINCINNATI, OHIO FAX (513) 762-1402

REMODEL

FM-172

KENT, WA

CURRENT PLAN DATED:
12/21/2015

ORIGINAL PLAN DATED:

DRAWN:

RECEIVED
DEC 22 2015
City of Kent
Planning Division

REVISIONS:

STANDARD PLOTTED SCALE:
REFER TO DRAWING SCALE

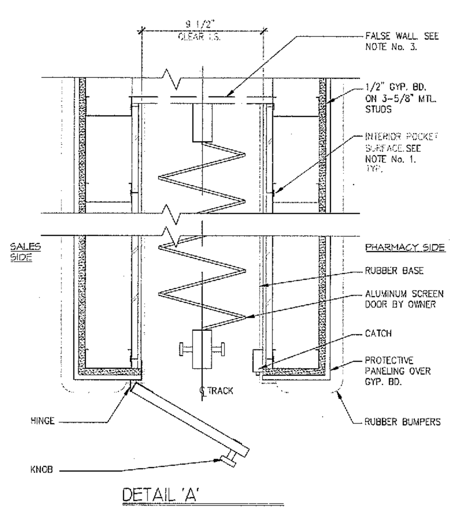
BUILDING STATS:

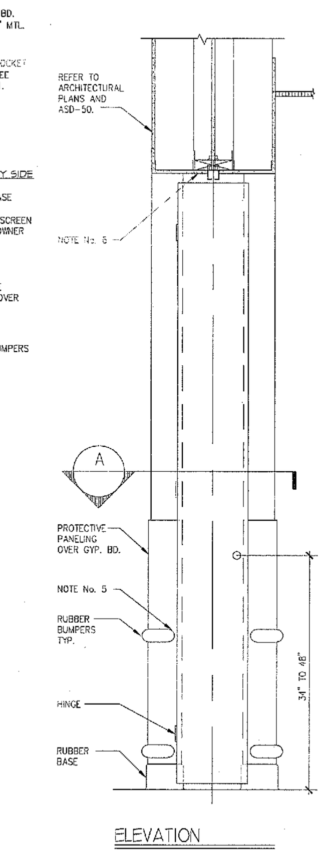
TOTAL SHELVING	
SALES AREA	
% OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS
STEEL PACKAGE ID

SHEET:
A5.1

CAD FILE: 172--A5.1.0.dwg





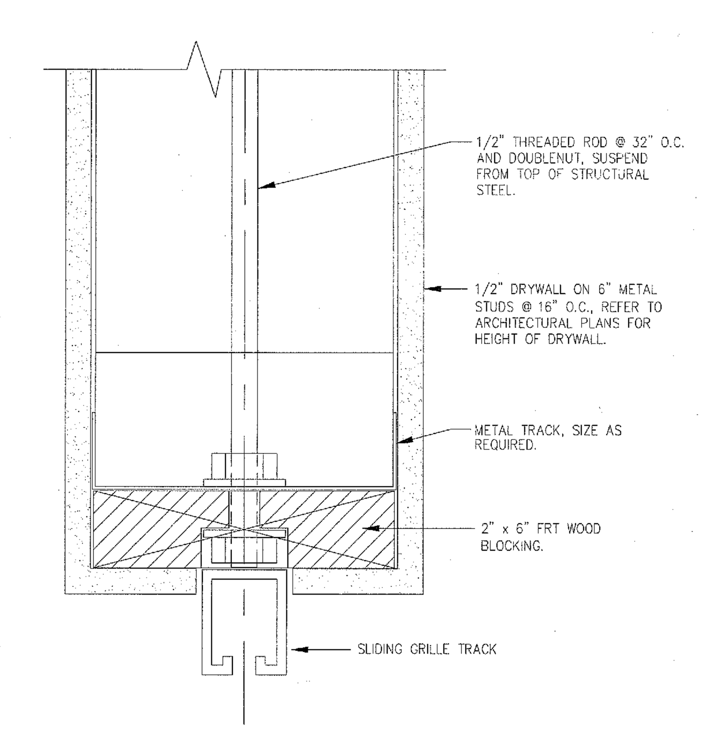
NOTES:

1. INSIDE POCKET WALL SURFACE (VERTICAL 4' x 8') COMPRISED OF FRP GLUED TO 1/2" PLYWOOD AND SHOULD BE INSTALLED PRIOR TO OTHER WALL SURFACES. ATTACH POCKET SURFACES WITH SCREWS THRU METAL STUD AND INTO BACKSIDE OF 1/2" PLYWOOD.
2. CAULK FRP AT BASE AS FAR AS POSSIBLE.
3. POSITION FALSE WALL TO ATTACH END OF GRILLE. COORDINATE WITH SHOP DRAWINGS FOR LOCATION.
4. SEE DRAWINGS FOR ARCHITECTURAL FINISHES.
5. TERMINATE BUMPER TO PROVIDE ADEQUATE CLEARANCE TO OPEN DOOR A MINIMUM OF 90 DEGREES.
6. CEILING SURFACE COMPRISED OF FRP GLUED TO 1/2" PLYWOOD. ATTACH CEILING SURFACE WITH SCREWS THRU METAL STUD AND INTO BACKSIDE OF 1/2" PLYWOOD. ATTACH TRACK TO CEILING SURFACE AND INTO 2"x6" WOOD BLOCKING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

Note:
Detail Based on:
- ADI Folding Grille Model 650
- Refer to ADI drawings for required clearances
- Refer to Manufacturer's product specifications for Additional Information.

ORIGINAL ISSUE DATE 10/11/12

PHARMACY GRILLE DOOR POCKET — MASTER SPECIFICATION DETAIL — DATE: 1/14/13 SCALE: NONE DRAWN: ZAW — ASD-49

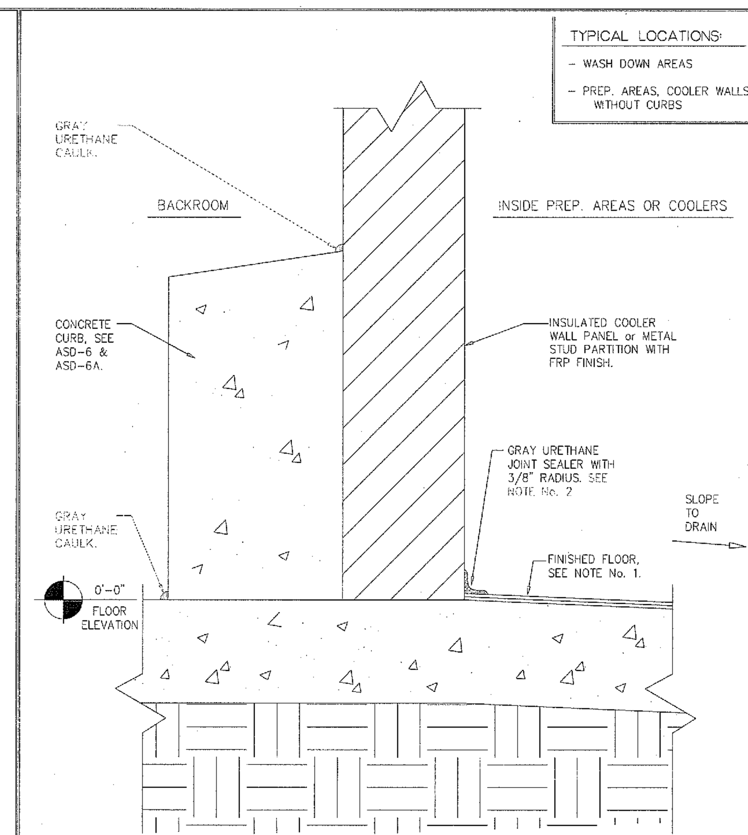


NOTES:

1. SLIDING GRILLE AND TRACK, SEE SPECIFICATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

ORIGINAL ISSUE DATE 2/20/06

SLIDING GRILLE TRACK SECTION — MASTER SPECIFICATION DETAIL — DATE: 11/21/14 SCALE: NONE DRAWN: ZAW — ASD-50

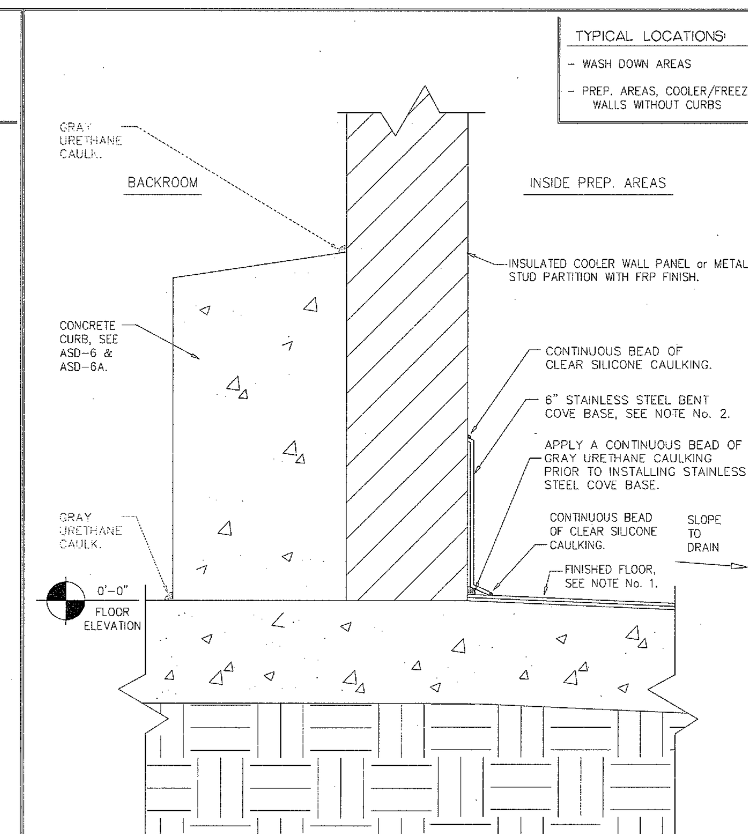


NOTES:

1. FINISHED FLOOR WILL VARY DEPENDING ON APPLICATION -- CONCRETE, RESINOUS or TILING.
2. CAULK THE INSIDE JOINT BETWEEN THE FLOOR AND COOLER WALL PANELS WITHOUT CURBS AND AT THE DAIRY COOLER WALL BENEATH THE REACH-IN GLASS DOORS. FOR WALLS INSIDE COOLERS OR PREP AREAS WITH CURBS, REFER TO ASD-6.

ORIGINAL ISSUE DATE 1/30/09

WALL TO FLOOR BASE TYPE-A — MASTER SPECIFICATION DETAIL — DATE: 7/29/13 SCALE: NONE DRAWN: ZAW — ASD-51A

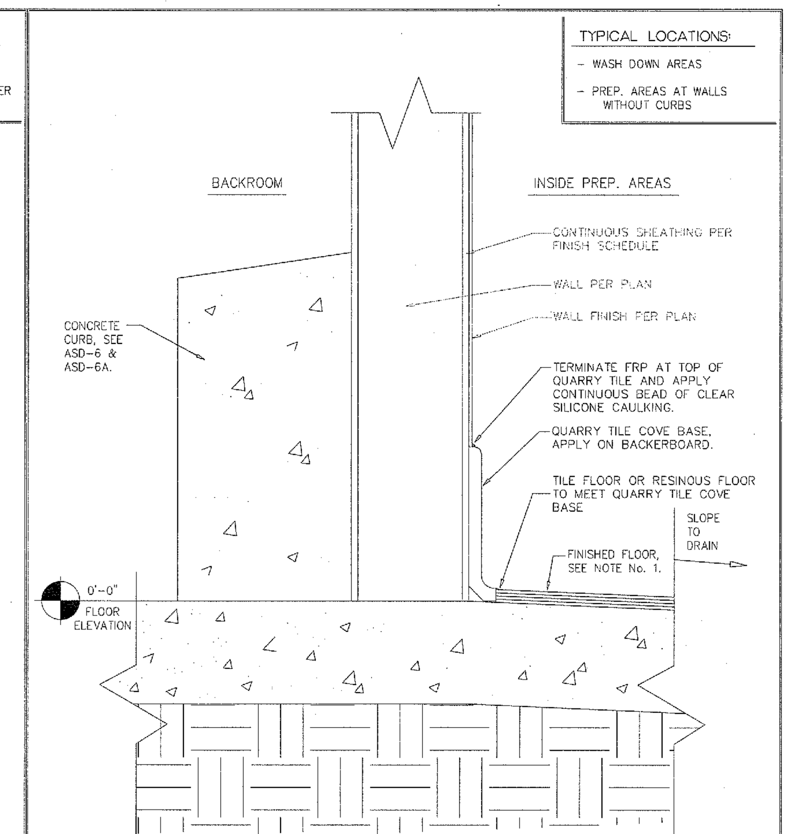


NOTES:

1. FINISHED FLOOR WILL VARY DEPENDING ON APPLICATION -- CONCRETE, RESINOUS or TILING.
2. 6" 22 ga. STAINLESS STEEL COVE BASE KROGER DIRECT BUY ITEM, OWNER SUPPLIED AND CONTRACTOR INSTALLED.
3. FOR COOLER WALLS WITH CURBS, REFER TO ASD-6.

ORIGINAL ISSUE DATE 1/30/09

WALL TO FLOOR BASE TYPE-B — MASTER SPECIFICATION DETAIL — DATE: 7/29/13 SCALE: NONE DRAWN: ZAW — ASD-51B

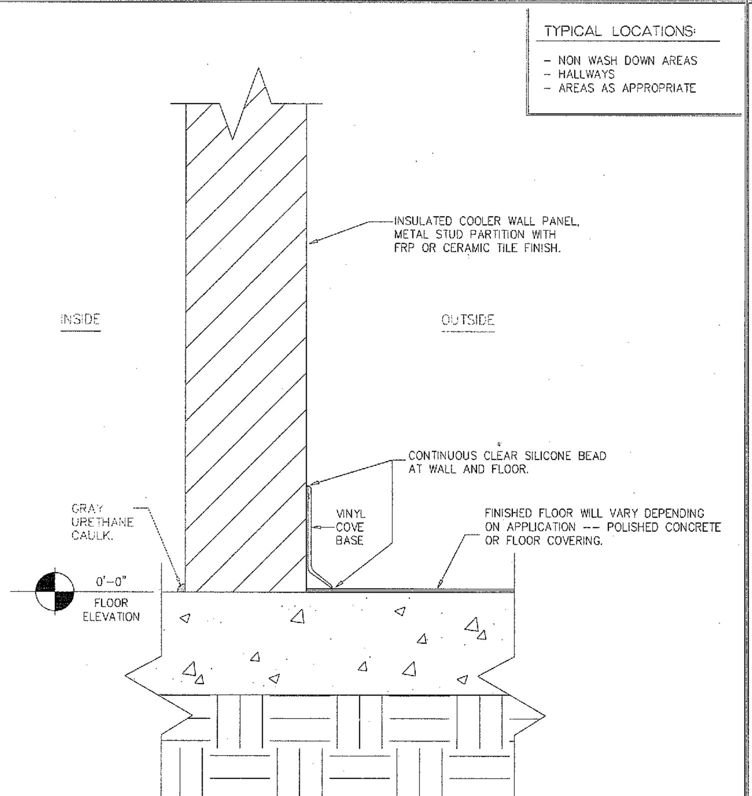


NOTES:

1. FINISHED FLOOR WILL VARY DEPENDING ON APPLICATION -- CONCRETE, RESINOUS or TILING.

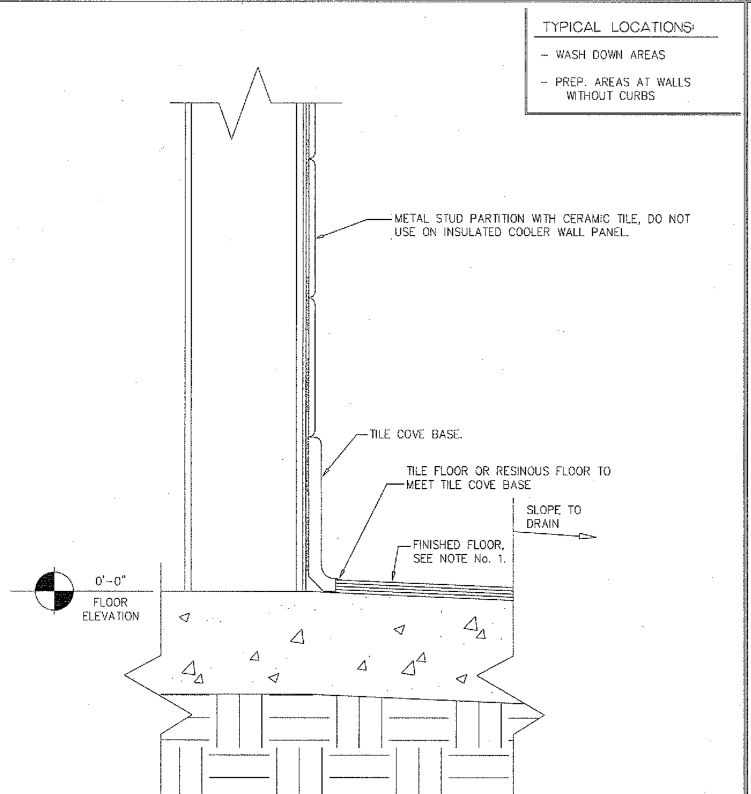
ORIGINAL ISSUE DATE 1/30/09

WALL TO FLOOR BASE TYPE-C — MASTER SPECIFICATION DETAIL — DATE: 11/10/11 SCALE: NONE DRAWN: ZAW — ASD-51C



ORIGINAL ISSUE DATE 1/30/09

WALL TO FLOOR BASE TYPE-D — MASTER SPECIFICATION DETAIL — DATE: 11/7/13 SCALE: NONE DRAWN: ZAW — ASD-51D

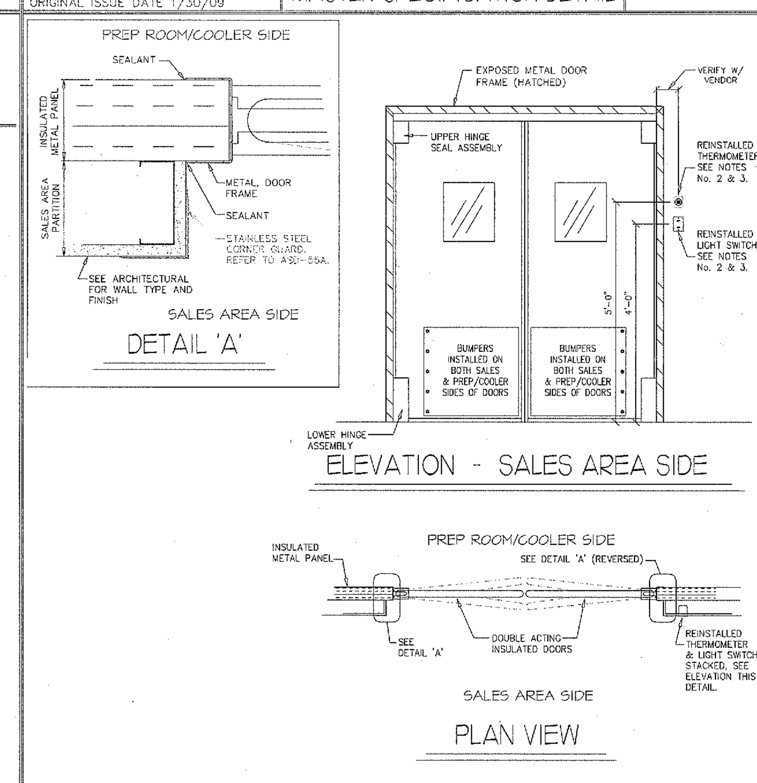


NOTES:

1. FINISHED FLOOR WILL VARY DEPENDING ON APPLICATION -- CONCRETE, RESINOUS or TILING.

ORIGINAL ISSUE DATE 1/30/09

WALL TO FLOOR BASE TYPE-E — MASTER SPECIFICATION DETAIL — DATE: 1/30/09 SCALE: NONE DRAWN: jq — ASD-51E

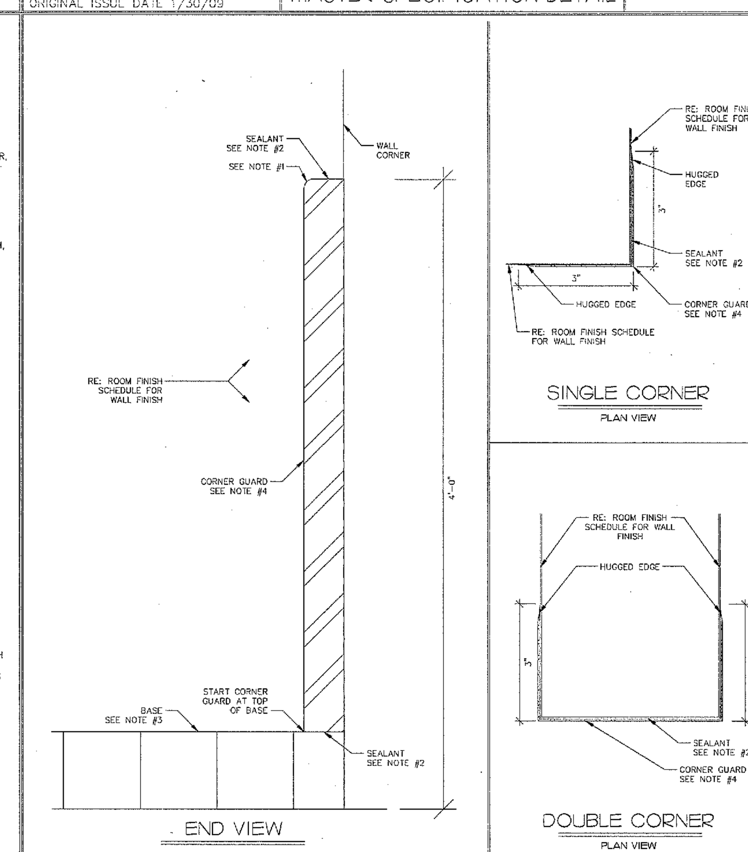


Notes:

1. DOOR & FRAME SIZES VARY BASED ON USAGE, REFER TO PLANS FOR SIZES.
2. THERMOMETER & LIGHT SWITCH ARE SUPPLIED INSTALLED BY MANUFACTURER IN COOLER DOOR SECTION. ELECTRICAL CONTRACTOR TO REMOVE FROM DOOR SECTION RE-INSTALL IN STUD PARTITION AND REWIRE TO COOLER. PROVIDE ADDITIONAL JUNCTIONS BOX AS REQUIRED.
3. THERMOMETER & LIGHT SWITCH LOCATIONS: DOUBLE DOORS -- EITHER SIDE WHICHEVER IS MOST PRACTICAL. SINGLE DOOR -- ON OPENING SIDE OF DOOR.
4. GALVANIZED FRAME IS INTEGRAL WITH THE DOOR OPENING AND IS SUPPLIED WITH THE INSULATED METAL PANELS.

ORIGINAL ISSUE DATE 3/20/08

PARTITION TO INSULATED PANEL AT DOUBLE ACTING INSUL. DRS. — MASTER SPECIFICATION DETAIL — DATE: 11/5/13 SCALE: NONE DRAWN: ZAW — ASD-55

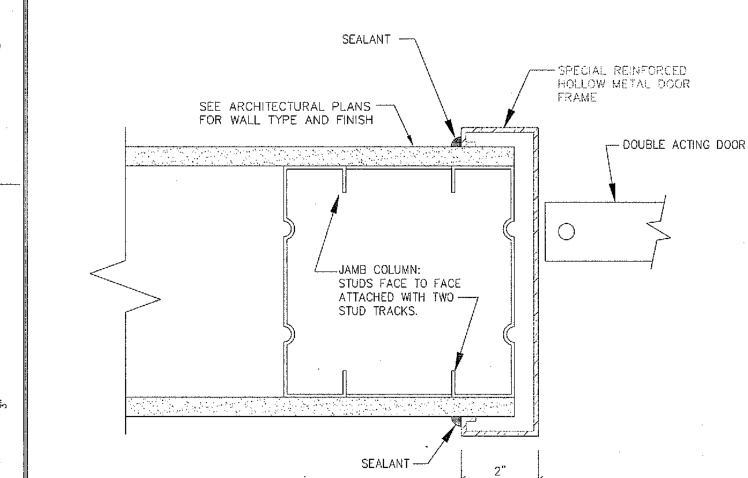


NOTICE:

1. REMOVE ALL SHARP CORNERS.
2. ADHERE STAINLESS STEEL TO WALL WITH CLEAR SILICONE SEALANT, TOP AND BOTTOM.
3. REFERENCE ROOM FINISH SCHEDULE FOR BASE TYPE TO BE USED.
4. 20 GA. 304 STAINLESS STEEL CORNER GUARD.

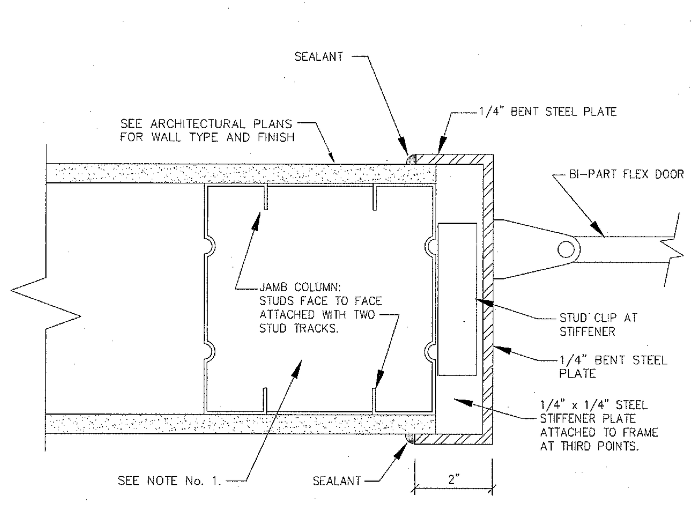
ORIGINAL ISSUE DATE 7/29/13

STAINLESS STEEL CORNER GUARD — MASTER SPECIFICATION DETAIL — DATE: 7/29/13 SCALE: NONE DRAWN: TMW — ASD-55A



ORIGINAL ISSUE DATE 6/18/09

DOUBLE ACTING DOOR FRAME AT STUD PARTITION — MASTER SPECIFICATION DETAIL — DATE: 8/7/13 SCALE: NONE DRAWN: ZAW — ASD-56

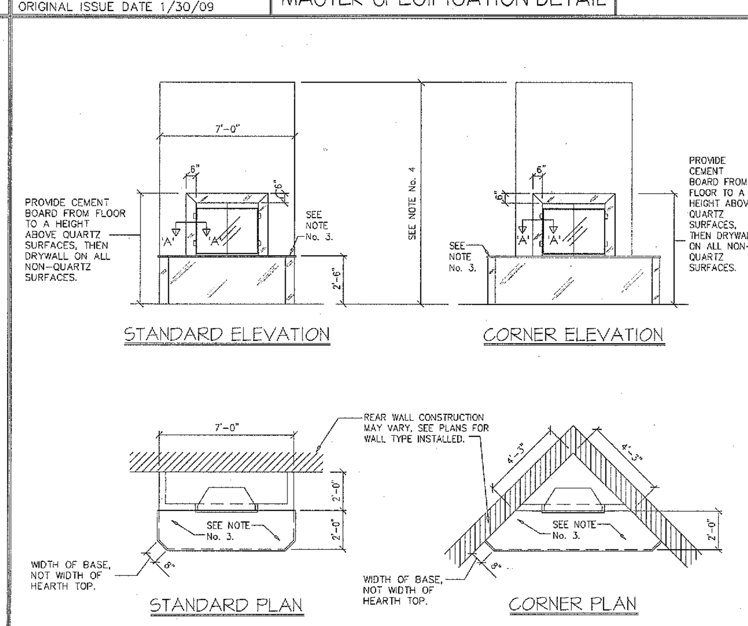


NOTES:

1. BENT STEEL PLATE DOOR FRAME ON STEEL STUD AND DRYWALL OR CONCRETE BLOCK WALL CONSTRUCTION.

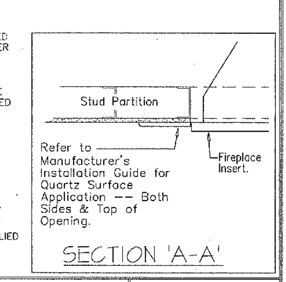
ORIGINAL ISSUE DATE 8/7/13

BENT PLATE DOOR FRAME AT DOCK — MASTER SPECIFICATION DETAIL — DATE: 8/7/13 SCALE: NONE DRAWN: ZAW — ASD-56A



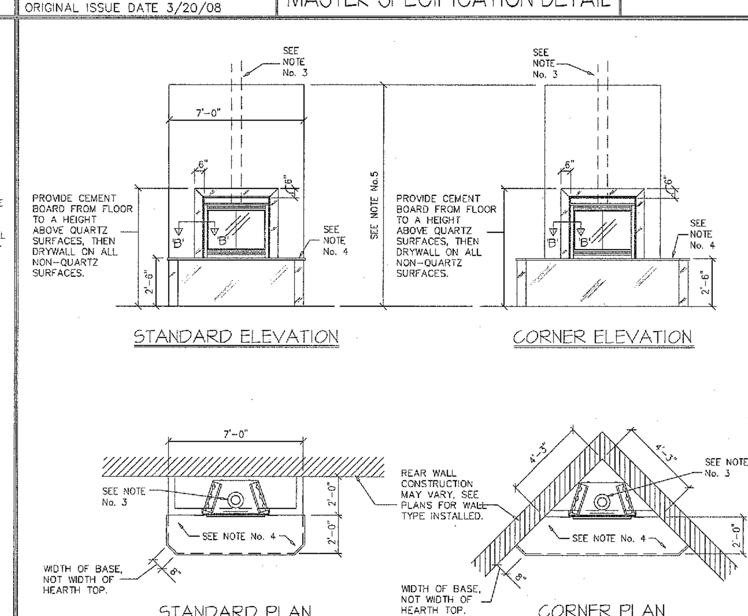
NOTES:

1. FIREPLACE WITH CHILD SAFETY SCREENING IS A CONTRACTOR SUPPLIED AND INSTALLED ITEM. REFER TO SPECIFICATION SECTION 10 31 00.02 FOR MORE INFORMATION. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ROUGH IN OPENING SIZE AND ADDITIONAL INFORMATION.
2. INSTALL FIREPLACE ON HARD METAL or WOOD SURFACES. NO COMBUSTIBLES CAN BE PLACED ON THE TOP SURFACE OF THE FIREPLACE. COMBUSTIBLES MAY BE INSTALLED TO THE EDGE OF THE UNIT. INSULATION AND VAPOR BARRIER SHALL BE PLACED A MINIMUM OF 2" FROM UNIT.
3. 1" THICK QUARTZ HEARTH TOP TO EXTEND 1" BEYOND HEARTH BASE ON ALL SIDES, INSTALLED OVER PLYWOOD. MATERIAL -- DUPONT 'ZODIAQ TOASTED ALMOND', OR CAMBRIA 'SUTTON'. HEIGHT & DEPTH OF HEARTH WAS DESIGNED TO AID WITH CHILD PROTECTION FROM HOT SURFACES.
4. FIREPLACE CHASE TO EXTEND ABOVE CEILING IF INSTALLED IN AN AREA WITH CEILING, AND TO BAR JOIST WHEN INSTALLED IN OPEN CEILING AREA OR UNDER A MEZZANINE.
5. WALL QUARTZ SURFACES SURROUNDING FIREPLACE OPENING AND HEARTH TO BE APPLIED AFTER FIREPLACE INSTALLATION, REFER TO KROGER SPECIFICATIONS DIVISION 01 FOR MANUFACTURER & STYLE.



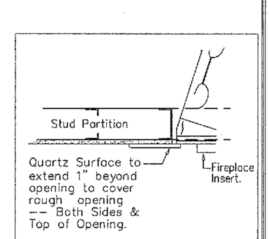
ORIGINAL ISSUE DATE 6/18/09

ELECTRIC FIREPLACE INSTALLATIONS — MASTER SPECIFICATION DETAIL — DATE: 7/7/15 SCALE: NONE DRAWN: ZAW — ASD-58



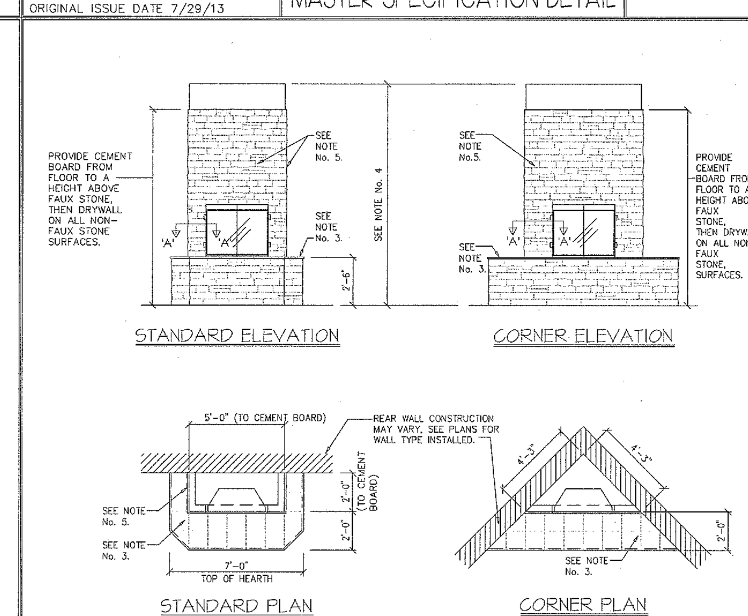
NOTES:

1. FIREPLACE WITH CHILD SAFETY SCREENING IS A CONTRACTOR SUPPLIED AND INSTALLED ITEM. REFER TO SPECIFICTION SECTION 10 31 00.01 FOR MORE INFORMATION. REFER TO MANUFACTURER OWNER'S MANUAL FOR ROUGH IN OPENING SIZE AND ADDITIONAL INFORMATION.
2. INSTALL FIREPLACE ON HARD METAL or WOOD SURFACES, DO NOT INSTALL DIRECTLY ON ANY COMBUSTIBLE MATERIAL. THE BOTTOM SURFACE OF THE FIREPLACE MUST BE ELEVATED TO THE LEVEL OF THE FINISHED SURFACE OF HEARTH TO ALLOW ACCESS FOR SERVICE.
3. FIREPLACE MUST BE VENTED VERTICALLY UP THRU ROOF, 6" B-VENT PIPE MUST BE USED WHEN VENT SYSTEM IS WITHIN COMBUSTIBLE CONSTRUCTION -- REFER TO MANUFACTURER OWNER'S MANUAL FOR INSTRUCTIONS FOR ROOF PENETRATIONS AND VENT TERMINATION. VENT PIPE TO BE CONTRACTOR SUPPLIED AND INSTALLED.
4. 1" THICK QUARTZ HEARTH TOP TO EXTEND 1" BEYOND HEARTH BASE ON ALL SIDES, INSTALLED OVER PLYWOOD. MATERIAL -- DUPONT 'ZODIAQ TOASTED ALMOND', OR CAMBRIA 'SUTTON'. HEIGHT & DEPTH OF HEARTH WAS DESIGNED TO AID WITH CHILD PROTECTION FROM HOT SURFACES.
5. FIREPLACE CHASE TO EXTEND ABOVE CEILING IF INSTALLED IN AN AREA WITH CEILING, AND TO BAR JOIST WHEN INSTALLED IN OPEN CEILING AREA OR UNDER A MEZZANINE. IN ALL CASES LEAVE TOP OPENED FOR SUPPLY AIR.
6. WALL QUARTZ SURFACES SURROUNDING FIREPLACE OPENING AND HEARTH TO BE APPLIED AFTER FIREPLACE INSTALLATION, REFER TO KROGER SPECIFICATIONS DIVISION 01 FOR MANUFACTURER & STYLE.



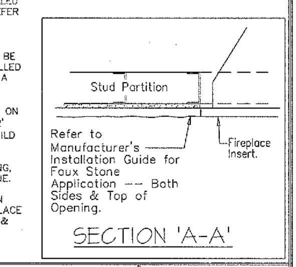
ORIGINAL ISSUE DATE 6/18/09

GAS FIREPLACE INSTALLATIONS — MASTER SPECIFICATION DETAIL — DATE: 7/7/15 SCALE: NONE DRAWN: ZAW — ASD-58A



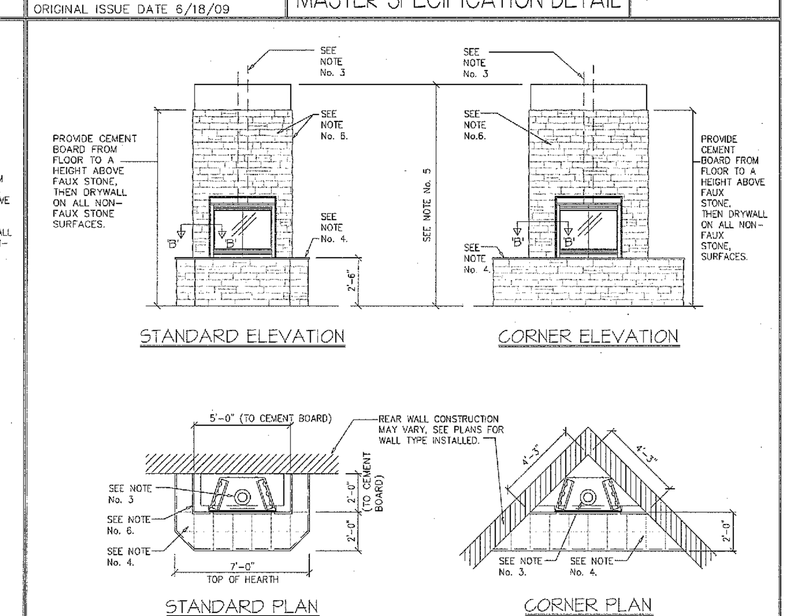
NOTES:

1. FIREPLACE WITH CHILD SAFETY SCREENING IS A CONTRACTOR SUPPLIED AND INSTALLED ITEM. REFER TO SPECIFICATION SECTION 10 31 00.02 FOR MORE INFORMATION. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ROUGH IN OPENING SIZE AND ADDITIONAL INFORMATION.
2. INSTALL FIREPLACE ON HARD METAL OR WOOD SURFACES. NO COMBUSTIBLES CAN BE PLACED ON THE TOP SURFACE OF THE FIREPLACE. COMBUSTIBLES MAY BE INSTALLED TO THE EDGE OF THE UNIT. INSULATION AND VAPOR BARRIER SHALL BE PLACED A MINIMUM OF 2" FROM UNIT.
3. 12" X 12" NATURAL STONE TILE HEARTH TOP TO EXTEND 1" BEYOND HEARTH BASE ON ALL SIDES, INSTALLED OVER PLYWOOD. MATERIAL -- DALTILE 'CHINA APRICOT S782' (CT-611 & CT-911). HEIGHT & DEPTH OF HEARTH WAS DESIGNED TO AID WITH CHILD PROTECTION FROM HOT SURFACES.
4. FIREPLACE CHASE TO EXTEND ABOVE CEILING IF INSTALLED IN AN AREA WITH CEILING, AND TO BAR JOIST WHEN INSTALLED IN OPEN CEILING AREA OR UNDER A MEZZANINE.
5. MANUFACTURED STONE -- DALTILE 'SHANGHAI RUST S349' (CT-612 & CT-912) ON WALL SURROUNDING FIREPLACE OPENING AND HEARTH TO BE APPLIED AFTER FIREPLACE INSTALLATION, REFER TO KROGER SPECIFICATIONS DIVISION 01 FOR MANUFACTURER & STYLE. WHEN INSTALLED IN OPEN CEILING AREA, STOP MANUFACTURED STONE AT 10'-0" A.F.F.



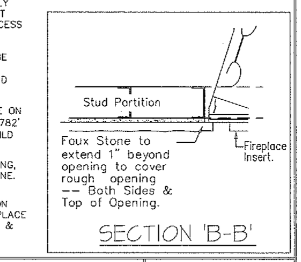
ORIGINAL ISSUE DATE 11/5/13

ELECTRIC FIREPLACE INSTALLATIONS - STONE LOOK — MASTER SPECIFICATION DETAIL — DATE: 7/7/15 SCALE: NONE DRAWN: ZAW — ASD-59



NOTES:

1. FIREPLACE WITH CHILD SAFETY SCREENING IS A CONTRACTOR SUPPLIED AND INSTALLED ITEM. REFER TO SPECIFICATION SECTION 10 31 00.01 FOR MORE INFORMATION. REFER TO MANUFACTURER OWNER'S MANUAL FOR ROUGH IN OPENING SIZE AND ADDITIONAL INFORMATION.
2. INSTALL FIREPLACE ON HARD METAL or WOOD SURFACES, DO NOT INSTALL DIRECTLY ON ANY COMBUSTIBLE MATERIAL. THE BOTTOM SURFACE OF THE FIREPLACE MUST BE ELEVATED TO THE LEVEL OF THE FINISHED SURFACE OF HEARTH TO ALLOW ACCESS FOR SERVICE.
3. FIREPLACE MUST BE VENTED VERTICALLY UP THRU ROOF, 6" B-VENT PIPE MUST BE USED WHEN VENT SYSTEM IS WITHIN COMBUSTIBLE CONSTRUCTION -- REFER TO MANUFACTURER OWNER'S MANUAL FOR INSTRUCTIONS FOR ROOF PENETRATIONS AND VENT TERMINATION. VENT PIPE TO BE CONTRACTOR SUPPLIED AND INSTALLED.
4. 12" x 12" NATURAL STONE TILE HEARTH TOP TO EXTEND 1" BEYOND HEARTH BASE ON ALL SIDES, INSTALLED OVER PLYWOOD. MATERIAL -- DALTILE 'CHINA APRICOT S782' (CT-611 & CT-911). HEIGHT & DEPTH OF HEARTH WAS DESIGNED TO AID WITH CHILD PROTECTION FROM HOT SURFACES.
5. FIREPLACE CHASE TO EXTEND ABOVE CEILING IF INSTALLED IN AN AREA WITH CEILING, AND TO BAR JOIST WHEN INSTALLED IN OPEN CEILING AREA OR UNDER A MEZZANINE. IN ALL CASES LEAVE TOP OPENED FOR SUPPLY AIR.
6. MANUFACTURED STONE -- DALTILE 'SHANGHAI RUST S349' (CT-612 & CT-912) ON WALL SURROUNDING FIREPLACE OPENING AND HEARTH TO BE APPLIED AFTER FIREPLACE INSTALLATION, REFER TO KROGER SPECIFICATIONS DIVISION 01 FOR MANUFACTURER & STYLE. WHEN INSTALLED IN OPEN CEILING AREA, STOP MANUFACTURED STONE AT 10'-0" A.F.F.



ORIGINAL ISSUE DATE 11/5/13

GAS FIREPLACE INSTALLATIONS - STONE LOOK — MASTER SPECIFICATION DETAIL — DATE: 7/7/15 SCALE: NONE DRAWN: ZAW — ASD-59A

PER ASD POSTED 03/02/15

2154547

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED UNLESS NOTED OTHERWISE. THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLANS DATED AND KROGER PLANS DATED . ALL WORK MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
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Fred Meyer
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Kroger
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1014 VINE ST, CINCINNATI, OHIO 45202
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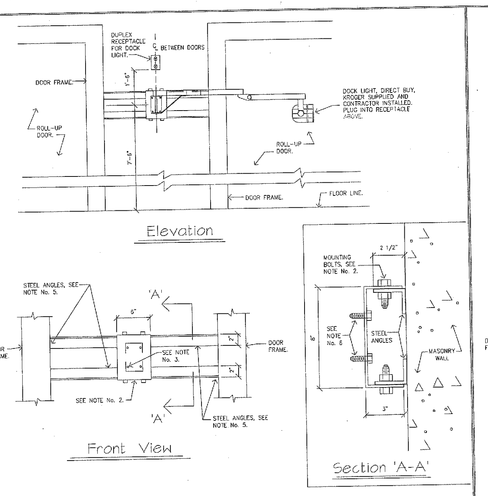
REMODEL
FM-172
KENT, WA

CURRENT PLAN DATE: 12/21/2015
ORIGINAL PLAN DATE:
DRAWN: CHECKED:
REVISIONS:
RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

STANDARD PLOTTED SCALE: REFER TO DRAWING SCALE

BUILDING STATS:	
TOTAL SHELVING	
SALES AREA % OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS
STEEL PACKAGE ID:
SHEET: A5.1.1
CAD FILE: 172-A5.1.1.dwg



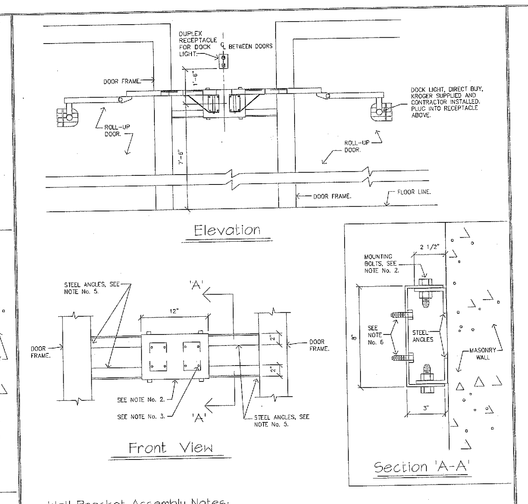
Wall Bracket Assembly Notes:

1. WALL BRACKET SHALL BE CONTRACTOR SUPPLIED AND INSTALLED
2. BRACKET SHALL BE 3/16" THICK STEEL WITH FOUR (4) 1/2" DIA. MOUNTING BOLTS.
3. PROVIDE BOLT HOLES AS REQUIRED FOR ATTACHMENT OF SELECTED DOCK LIGHT, USE LIGHT FIXTURE BASE AS TEMPLATE FOR BOLT HOLE PATTERN.
4. BRACKET AND ANGLES SHALL BE GROUND SMOOTH AND PRIMED READY FOR PAINTING.
5. 2 1/2" x 2" x 1/4" STEEL ANGLES TO BE SECURELY ATTACHED BY WELDING TO EDGE OF DOOR FRAME. TO PREVENT CONFLICT WITH ROLL UP DOOR ASSEMBLY SO.DEC. OVERLAP ONTO DOOR OPENING FRAME, REFER TO ASD-152 DETAIL-'A'
6. PROVIDE (4) 3/16" NTO BOLTS, INSERT AND TACK WELD BOLTS IN HOLES IN BRACKET FOR INSTALLATION OF LIGHT FIXTURE.

Note: REFER TO FIXTURE PLAN FOR QUANTITY AND TYPE OF BRACKET REQUIRED.

WALL BRACKET FOR SINGLE TRUCK UNLOADING LIGHT	DATE: 1/30/15
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-62

ORIGINAL ISSUE DATE 2/20/06



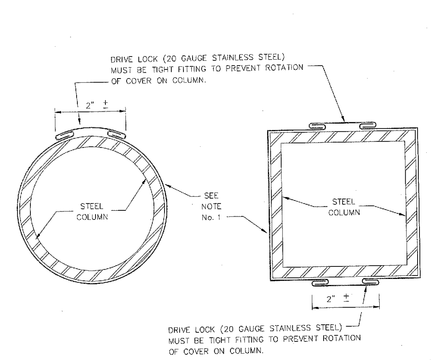
Wall Bracket Assembly Notes:

1. WALL BRACKET SHALL BE CONTRACTOR SUPPLIED AND INSTALLED
2. BRACKET SHALL BE 3/16" THICK STEEL WITH FOUR (4) 1/2" DIA. MOUNTING BOLTS.
3. PROVIDE BOLT HOLES AS REQUIRED FOR ATTACHMENT OF SELECTED DOCK LIGHT, USE LIGHT FIXTURE BASE AS TEMPLATE FOR BOLT HOLE PATTERN.
4. BRACKET AND ANGLES SHALL BE GROUND SMOOTH AND PRIMED READY FOR PAINTING.
5. 2 1/2" x 2" x 1/4" STEEL ANGLES TO BE SECURELY ATTACHED BY WELDING TO EDGE OF DOOR FRAME. TO PREVENT CONFLICT WITH ROLL UP DOOR ASSEMBLY REFER TO ASD-152 DETAIL-'A'
6. PROVIDE (4) 3/16" NTO BOLTS, INSERT AND TACK WELD BOLTS IN HOLES IN BRACKET FOR INSTALLATION OF LIGHT FIXTURE.

Note: REFER TO FIXTURE PLAN FOR QUANTITY AND TYPE OF BRACKET REQUIRED.

WALL BRACKET FOR DOUBLE TRUCK UNLOADING LIGHTS	DATE: 1/30/15
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-62A

ORIGINAL ISSUE DATE 1/30/15

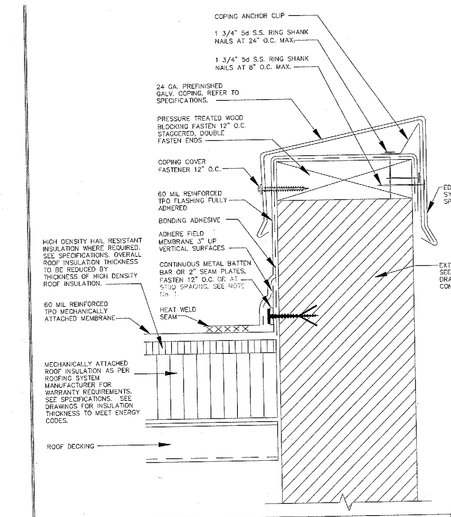


NOTES:

1. WHERE SALES AREA COLUMNS ARE NOT CONCEALED BY SHELVING OR EQUIPMENT, THEY MUST BE WRAPPED WITH 20 GAUGE STAINLESS STEEL TO MATCH HEIGHT OF EXISTING WRAPPED COLUMNS.
2. VERIFY ALL COLUMN LOCATIONS AND HEIGHTS WITH KROGER PROJECT MANAGER.
3. RUN CONTINUOUS BEAD OF SILICONE SEALANT AROUND TOP AND BOTTOM EDGES OF STAINLESS STEEL (AFTER INSTALLATION).

S.S. COLUMN COVERING DETAIL	DATE: 11/10/11
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-63

ORIGINAL ISSUE DATE 2/23/06



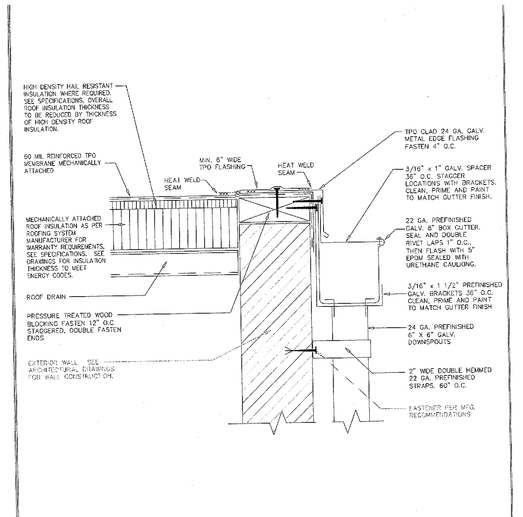
NOTES:

1. FOR ATTACHING INTO METAL STUDS USE 1" LONG #10 SELF-TAPPING HEX HEAD SHEET METAL SCREWS.
2. FOR ATTACHING TO EITHER CONCRETE WALL PANELS OR MASONRY, USE A 1 1/2" LONG 1/2" DIAMETER LAG EXPANSION SHIELD AND 1/4" LAG SCREW.

Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

TPO ROOF WALL DETAIL	DATE: 7/23/12
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-64A

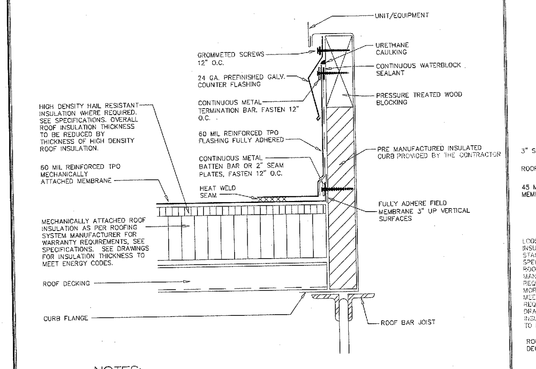
ORIGINAL ISSUE DATE 8/9/10



Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

TPO ROOF GUTTER DETAIL	DATE: 11/10/11
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-64B

ORIGINAL ISSUE DATE 8/9/10



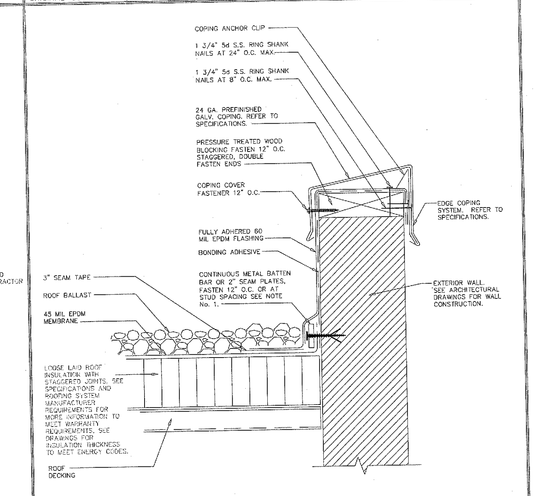
NOTES:

1) PREFABRICATED INSULATED EQUIPMENT ROOF CURB.
2) WHERE BASE FLASHING CAN BE EXTENDED OVER THE TOP OF THE CURB, NEW COUNTER FLASHING WILL NOT BE REQUIRED.
3) CURBS ARE TO BE A MINIMUM 8" FLASHING HEIGHT ABOVE THE FINISHED ROOF SURFACE.

Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

TPO ROOF CURB DETAIL	DATE: 4/22/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-64C

ORIGINAL ISSUE DATE 8/9/10



NOTES:

1) PREFABRICATED INSULATED EQUIPMENT ROOF CURB.
2) WHERE BASE FLASHING CAN BE EXTENDED OVER THE TOP OF THE CURB, NEW COUNTER FLASHING WILL NOT BE REQUIRED.
3) CURBS ARE TO BE A MINIMUM 8" FLASHING HEIGHT ABOVE THE FINISHED ROOF SURFACE.

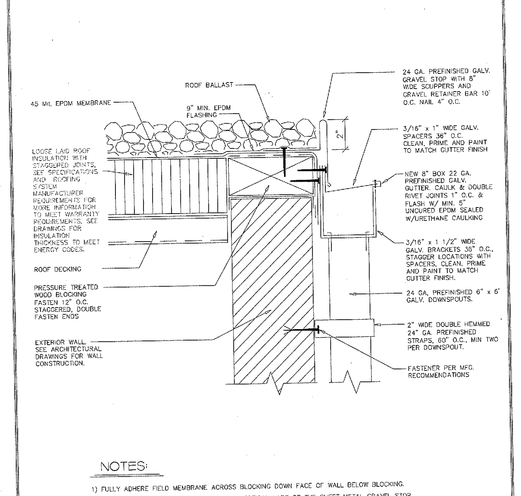
Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

NOTES:

1. FOR ATTACHING INTO METAL STUDS, USE 1" LONG #10 SELF-TAPPING HEX HEAD SHEET METAL SCREWS.
2. FOR ATTACHING TO EITHER CONCRETE WALL PANELS OR MASONRY, USE A 1 1/2" LONG 1/2" DIAMETER LAG EXPANSION SHIELD AND 1/4" LAG SCREW.

BALLASTED EPDM ROOF WALL DETAIL	DATE: 2/21/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-65A

ORIGINAL ISSUE DATE 9/24/07



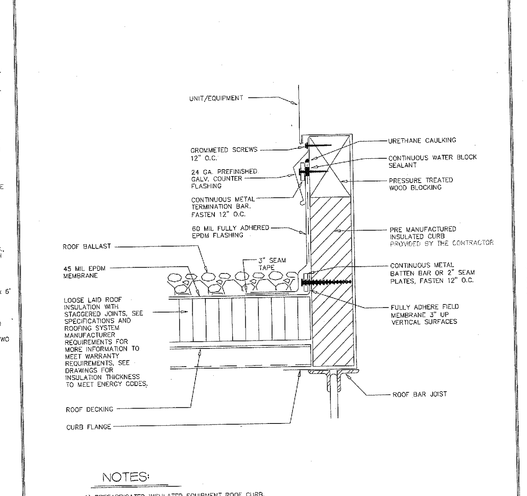
NOTES:

1) FULLY ADHERE FIELD MEMBRANE ACROSS BLOCKING DOWN FACE OF WALL BELOW BLOCKING.
2) INSTALL 9" MIN. EPDM FLASHING TO ALL VERTICAL LAPS OF THE SHEET METAL GRAVEL STOP.
3) DO NOT INSTALL GUTTER SPACERS IN FRONT OF SHEET METAL GRAVEL STOP SCUPPERS.

Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

BALLASTED EPDM ROOF GUTTER DETAIL	DATE: 2/21/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-65B

ORIGINAL ISSUE DATE 9/24/07



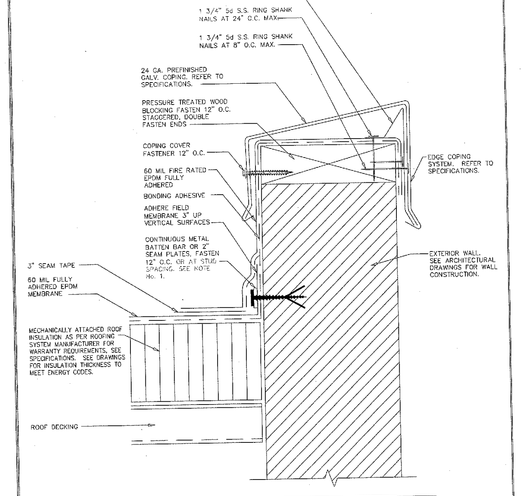
NOTES:

1) PREFABRICATED INSULATED EQUIPMENT ROOF CURB.
2) WHERE BASE FLASHING CAN BE EXTENDED OVER THE TOP OF THE CURB, NEW COUNTER FLASHING WILL NOT BE REQUIRED.
3) CURBS ARE TO BE A MINIMUM 8" FLASHING HEIGHT ABOVE THE FINISHED ROOF SURFACE.

Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

BALLASTED EPDM ROOF CURB DETAIL	DATE: 4/22/13
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-65C

ORIGINAL ISSUE DATE 9/24/07



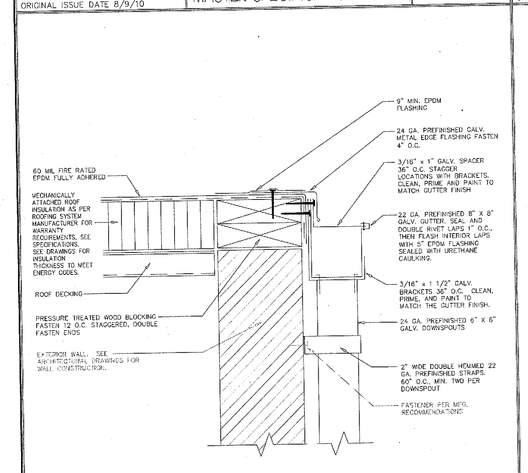
Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

NOTES:

1. FOR ATTACHING INTO METAL STUDS, USE 1" LONG #10 SELF-TAPPING HEX HEAD SHEET METAL SCREWS.
2. FOR ATTACHING TO EITHER CONCRETE WALL PANELS OR MASONRY, USE A 1 1/2" LONG 1/2" DIAMETER LAG EXPANSION SHIELD AND 1/4" LAG SCREW.

FULLY ADHERED EPDM ROOF WALL DETAIL	DATE: 7/23/12
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-66A

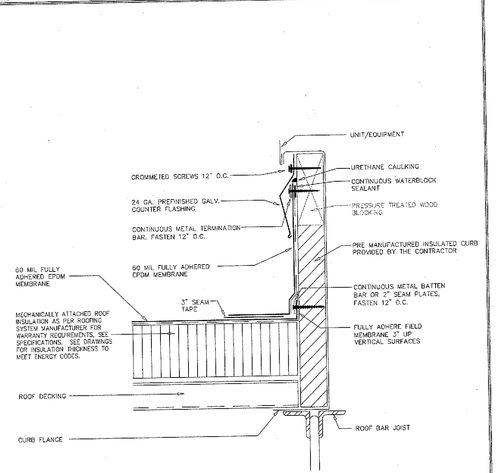
ORIGINAL ISSUE DATE 9/24/07



Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

FULLY ADHERED EPDM ROOF GUTTER DETAIL	DATE: 11/10/11
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-66B

ORIGINAL ISSUE DATE 9/24/07



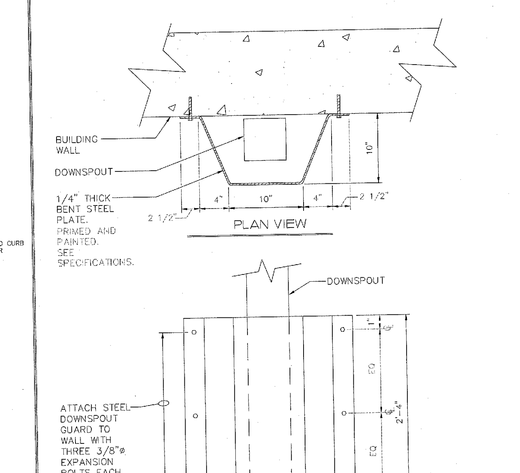
NOTES:

1) PREFABRICATED INSULATED EQUIPMENT ROOF CURB.
2) WHERE BASE FLASHING CAN BE EXTENDED OVER THE TOP OF THE CURB, NEW COUNTER FLASHING WILL NOT BE REQUIRED.
3) CURBS ARE TO BE A MINIMUM 8" FLASHING HEIGHT ABOVE THE FINISHED ROOF SURFACE.

Notice:
This Detail to be used in compliance with Kroger Limited Warranty.

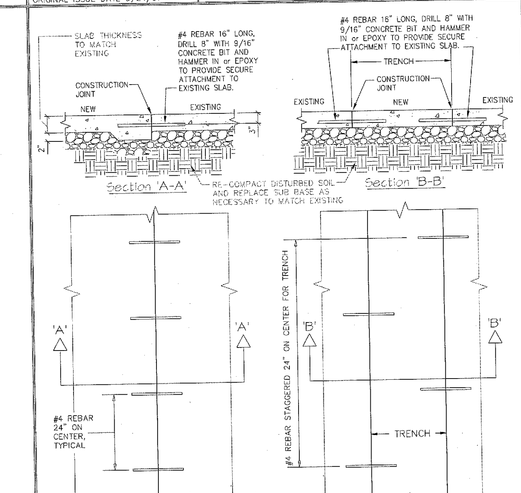
FULLY ADHERED EPDM ROOF CURB DETAIL	DATE: 7/29/14
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-66C

ORIGINAL ISSUE DATE 9/24/07



DOWNSPOUT GUARD	DATE: 11/10/11
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-68

ORIGINAL ISSUE DATE 8/1/07



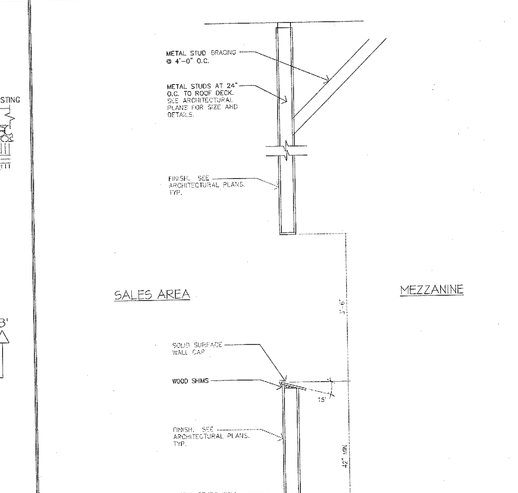
Notes:

IF ANY SIDE OF TRENCH IS 1'-0" or LESS, AWAY FROM CONTROL JOINT or CONSTRUCTION JOINT, SAWCUT AND REMOVE SLAB TO THE JOINT.

DO NOT CROSS CUT.

CONCRETE FLOOR REPLACEMENT AT EXISTING SLAB	DATE: 11/10/11
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-69

ORIGINAL ISSUE DATE 10/1/09



MEZZANINE KNEE WALL	DATE: 11/10/11
	SCALE: NONE
	DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ASD-71

ORIGINAL ISSUE DATE 9/22/10

PER ASD POSTED 03/02/15

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONFIGURED, INSTALLED, CONNECTED, TESTED, AND/OR RE EQUIPMENT SHALL BE CONSIDERED TO COMPLETE RESPONSIBILITY OF CONTRACTOR.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTU DATED ____ AND PROPER PLANS, CONDITIONS, CONTRACT FIELD VERIFIED BY KROGER ENGINEER. IF ANY DISCREPANCIES ARE FOUND, KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE: THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE DESIGN OF THE BUILDING TO CONFORM TO ALL APPLICABLE LAWS, ORDINANCES, CODES, REGULATIONS AND ACCEPTED STANDARDS. CONSTRUCTION IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY

Fred Meyer

BANNER DECOR

3800 S.E. 22ND AVENUE
PORTLAND, OR

PHONE: (503) 797-3507 FAX: (503) 797-3539

Kroger

GENERAL OFFICE
FACILITY ENGINEERING

1014 VINE ST. CINCINNATI, OHIO 45202 (513) 762-4000
TAX ID# 31-0345740
PH (513) 762-1507 FAX (513) 762-4012

REMODEL

FM-172

KENT, WA

CURRENT PLAN DATE: 12/21/2015
ORIGINAL PLAN DATE:

DRAWN: | CHECKED:

REVISIONS:
RECEIVED
DEC 22 2015
CITY OF KENT
PLANNING DIV.

STANDARD PLOTTED SCALE: REFER TO DRAWING SCALE

BUILDING STATS:

TOTAL SHELVING	
SALES AREA	
% OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS

STEEL PACKAGE ID:

SHEET: A5.1.2

CAD FILE: 172-A5.1.2.dwg

215457

PER ASD POSTED 03/02/15

REMODEL

FM-172

KENT, WA

Fred Meyer

BANNER DECOR

3500 SE 22ND AVENUE
PORTLAND, OR

PHONE: (503) 797-3507
FAX: (503) 797-3539

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED RE-INSTALLATION UNLESS NOTED OTHERWISE. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO THE EQUIPMENT OR PROPERTY DURING THE REMODEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

NOTE: THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. CONSTRUCTION STANDARDS AND IS NOT INTENDED TO BE USED AS A COMPLETE SET OF PLANS OR SPECIFICATIONS. ALL CONSTRUCTION MUST COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES AND APPROVAL OF THE CONSTRUCTION AUTHORITIES HAVING JURISDICTION & THE RESPONSIBILITY OF THE ARCHITECT/ENGINEER OF THE AREA.

Kroger

GENERAL OFFICE
FACILITY ENGINEERING
1014 VINE ST.
CINCINNATI, OHIO 45202

PH (513) 762-1437 FAX (513) 762-4032

ORIGINAL PLAN DATE	12/21/2015
DRAWN	CHECKED
REVISIONS	RECEIVED
	DEC 28 2015
	City of East Wenatchee
	Planning & Community Development

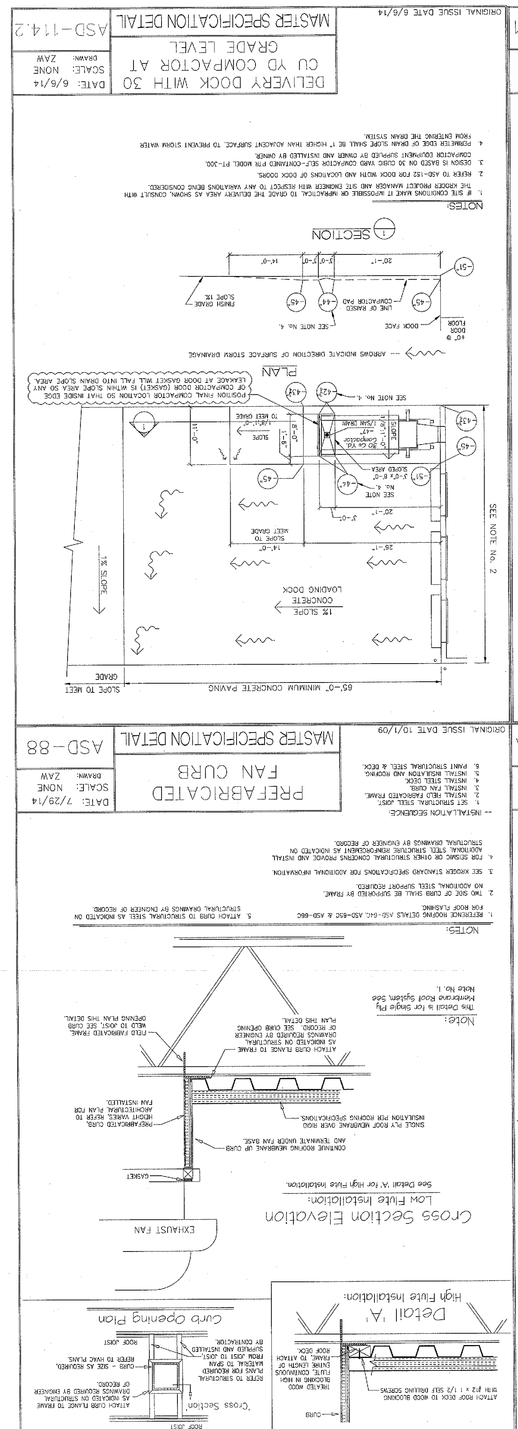
DRAWING FORMAT SCALE	
REFER TO DRAWING SCALE	
BUILDING STATS:	
TOTAL SQ.FTG.	
SALES AREA	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

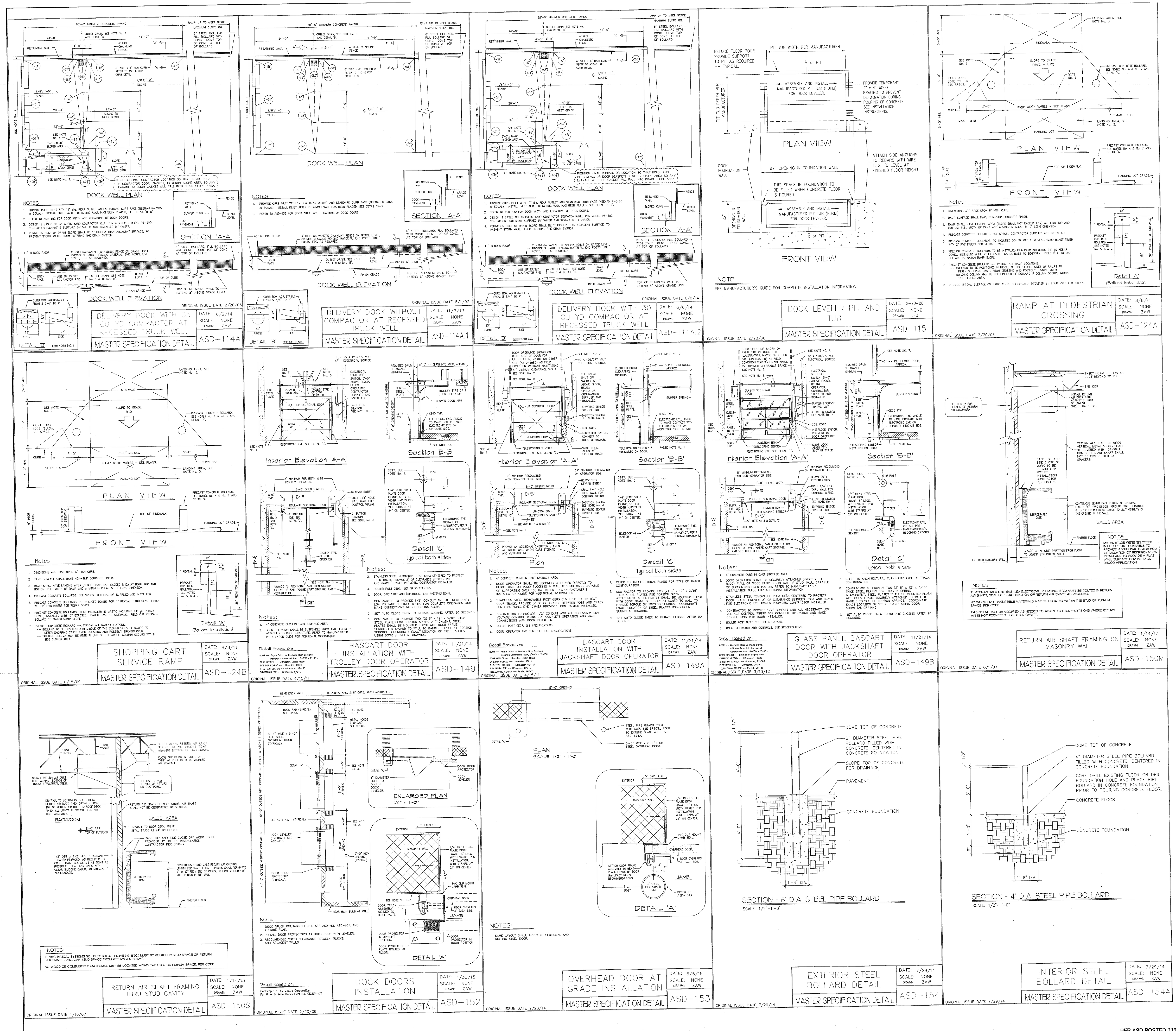
STANDARD DETAILS

SHEET: **A5.1.3**

CAD FILE: 172-A5.1.3.dwg

815547





PER ASD POSTED 03/02/15

2156567

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED UNLESS NOTED OTHERWISE. THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCAT EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PL DATED AND KROGER PLANS DATED . ALL WOR MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGE THE DESIGN OF THE BUILDING TO CONFORM TO ALL APPLICABLE LAWS, CODES, REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION AUTHORITIES H JURISDICTION IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OW

Fred Meyer

BANNER DECOR

3800 S.E. 22ND AVENUE
PORTLAND , OR
PHONE: (503) 797-3507 FAX :(503) 797-3539

Kroger

GENERAL OFFICE
FACILITY ENGINEERING
1014 VINE ST, CINCINNATI, OHIO 45202
PH: (513) 762-1467 FAX: (513) 762-4012

REMODEL
FM-172
KENT, WA

CURRENT PLAN DATE: 12/21/2015
ORIGINAL PLAN DATE:
DRAWN: CHECKED:
REVISIONS: RECEIVED DEC 22 2015 CITY OF KENT

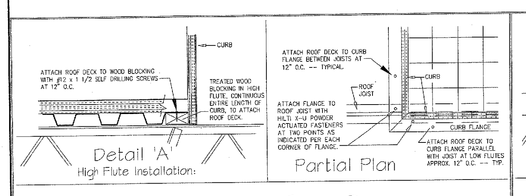
STANDARD PLOTTED SCALE: REFER TO DRAWING SCALE

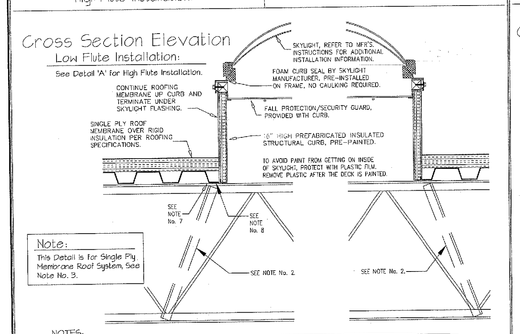
BUILDING STATS:	
TOTAL SHELVING	
SALES AREA % OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS
STEEL PACKAGE ID:

SHEET: A5.1.4

CAD FILE: 172-A5.1.4.dwg





NOTES:

1. CONTRACTOR TO SELECT EITHER DETAIL ASD-155 or ASD-155A AS PROJECT SCHEDULE REQUIRES.
2. FOR SIGNAGE OR OTHER STRUCTURAL CONCERNS PROVIDE AND INSTALL ADDITIONAL STEEL STRUCTURE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWING BY ENGINEER OF RECORD.
3. REFERENCE ROOFING DETAILS ASD-65C & ASD-66C FOR ROOF FLASHING.
4. TWO SIDE OF STRUCTURAL SKYLIGHT CURB SHALL BE SUPPORTED BY BAR JOIST. NO ADDITIONAL STEEL SUPPORT REQUIRED.
5. SEE WOODEN STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. CURB TO STRUCTURAL STEEL ATTACHMENT METHOD WHEN INDICATED ON STRUCTURAL DRAWING BY ENGINEER OF RECORD SHALL SUPERCEDE THE ATTACHMENT RECOMMENDATION CONTAINED HERE IN.
7. ATTACH CURB FLANGE TO ROOF JOIST WITH MIN 9-1/2 POWDER ACTUATED FASTENERS AT EACH CORNER OF FLANGE, UNLESS OTHERWISE REQUIRED BY ENGINEER OF RECORD. SEE PARTIAL PLAN THIS DETAIL.
8. ATTACH ROOF DECK TO CURB FLANGE AS FOLLOWS:
   SIDES BETWEEN JOISTS, AT POINTS 12" O.C., SIDES PARALLEL TO JOISTS IN LOW FLUTES, APPROX. 12" O.C. SEE PARTIAL PLAN THIS DETAIL.

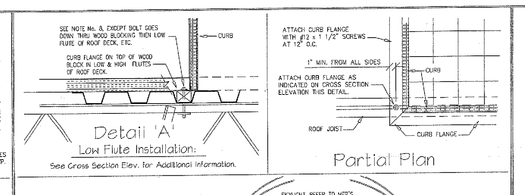
Notes:
Detail Based on AZS Model # 32-80.
16 GA Galvanized Steel Construction with 16 GA Galvanized Steel Hinged Hood.
16 GA Galvanized Steel Construction with 16 GA Galvanized Steel, Hinged Hood.

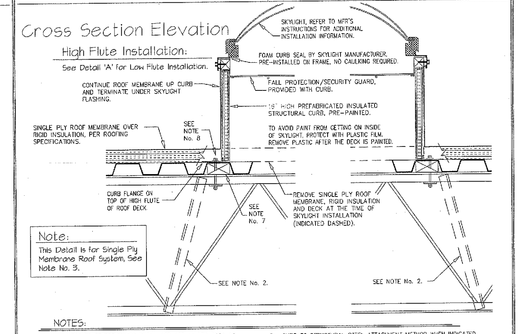
-- INSTALLATION SEQUENCE:

1. SET STRUCTURAL STEEL (BY OTHERS).
2. INSTALL SKYLIGHT CURB.
3. INSTALL DECKING.
4. INSTALL STEEL DECK.
5. INSTALL INSULATION AND ROOFING.
6. INSTALL FLASHING.
7. PAINT STRUCTURAL STEEL & DECK.
8. REMOVE PLASTIC FILM FROM DECK.

SKYLIGHT CURB -- INSTALLED BEFORE ROOF DECKING	DATE: 1/21/14
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-155

ORIGINAL ISSUE DATE 2/20/06





NOTES:

1. CONTRACTOR TO SELECT EITHER DETAIL ASD-155 or ASD-155A AS PROJECT SCHEDULE REQUIRES.
2. FOR SIGNAGE OR OTHER STRUCTURAL CONCERNS PROVIDE AND INSTALL ADDITIONAL STEEL STRUCTURE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWING BY ENGINEER OF RECORD.
3. REFERENCE ROOFING DETAILS ASD-65C & ASD-66C FOR ROOF FLASHING.
4. TWO SIDE OF STRUCTURAL SKYLIGHT CURB SHALL BE SUPPORTED BY BAR JOIST. NO ADDITIONAL STEEL SUPPORT REQUIRED.
5. SEE WOODEN STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. CURB TO STRUCTURAL STEEL ATTACHMENT METHOD WHEN INDICATED ON STRUCTURAL DRAWING BY ENGINEER OF RECORD SHALL SUPERCEDE THE ATTACHMENT RECOMMENDATION CONTAINED HERE IN.
7. TREATED WOOD BLOCKING IN FLUTE TO SUPPORT DECK, TO CONTINUE FROM JOIST TO JOIST THE ENTIRE LENGHT OF CURB (APPROX. 12"). PAINT EXPOSED BLOCKING TO MATCH DECKING WHEN DECKING IS PAINTED.
8. ATTACH CURB FLANGE AT ALL CORNERS WITH 1/2" DIA. HEX HEAD BOLT WITH WASHER DOWN THRU FLANGE, ROOF DECKING, WOOD BLOCKING & ROOF JOIST AND SECURED WITH (4) 2" x 2" x 1/4" PLATE WASHER AND DOUBLE HEX NUTS. PROVIDE BOLT OF SUFFICIENT LENGTH TO EXTEND 1" BELOW DOUBLE NUTS. CUT BOLT OFF IF REQUIRED. SEE PARTIAL PLAN THIS DETAIL.

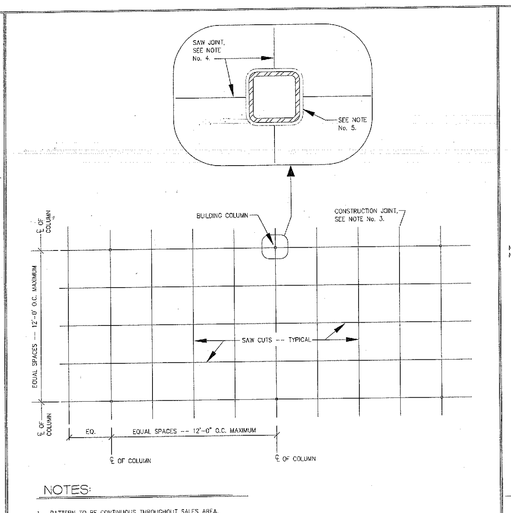
Note:
Detail Based on AZS Model # 42483
16 GA Galvanized Steel Construction with 16 GA Galvanized Steel, Hinged Hood.

-- INSTALLATION SEQUENCE:

1. DECKING INSTALLED.
2. WOOD SUPPORT FOR CURB FLANGE INSTALLED.
3. INSULATION INSTALLED.
4. ROOF MEMBRANE & FLASHING INSTALLED.
5. CUT OUT & REMOVE SINGLE PLY ROOF MEMB. & DECK JUST BEFORE CURB AND SKYLIGHTS ARE INSTALLED.
6. PLASTIC NOTING DECK OPENING INSTALLED.
7. CURBS INSTALLED AND ROOF MEMBRANE.
8. SKYLIGHTS INSTALLED.
9. STRUCTURAL STEEL & METAL DECK PAINTED.
10. PLASTIC FILM REMOVED FROM DECK.

SKYLIGHT CURB -- INSTALLED AFTER ROOF DECKING	DATE: 1/21/14
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-155A

ORIGINAL ISSUE DATE 2/20/06

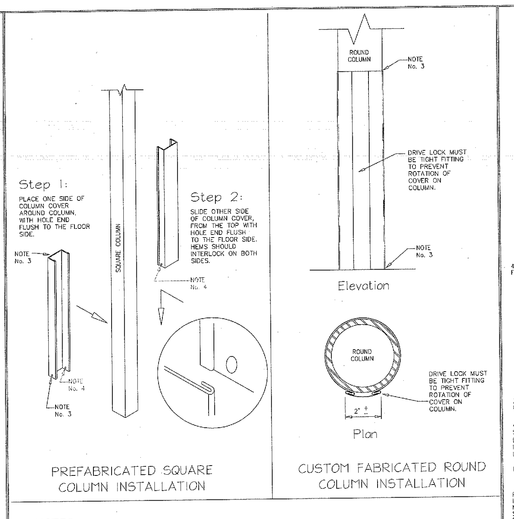


NOTES:

1. PATTERN TO BE CONTINUOUS THROUGHOUT SALES AREA.
2. FOR JOINT FILLER COLOR, SEE BUILDING SPECIFICATIONS.
3. SAW CUT CONTRACTION JOINTS, 1/8" WIDTH JOINT, JOINT DEPTH 1/4 THE SLAB THICKNESS OR A MINIMUM OF 1".
4. USE POWER CONCRETE SAW TO CUT JOINTS AS CLOSE AS POSSIBLE TO COLUMNS OR WALL FACE, THEN CONTINUE JOINT TO COLUMN OR WALL FACE WITH HAND GRINDER. WIDTH AND DEPTH OF HAND GRIND JOINT SHALL MATCH WIDTH AND DEPTH OF JOINTS MADE WITH POWER CONCRETE SAW.
5. INSTALL FOAM JOINT MATERIAL WRAPPED AROUND COLUMN. INSTALL JOINT FILLER. SEE BUILDING SPECIFICATIONS.

CONCRETE PATTERN TYP. FOR POLISHED CONCRETE SALES AREA FLOORS	DATE: 11/21/14
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-156

ORIGINAL ISSUE DATE 11/19/09

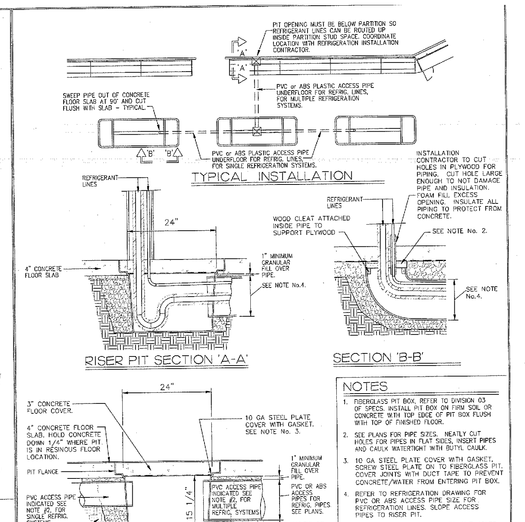


NOTES:

1. SQUARE COLUMN COVERS ARE PREFABRICATED OWNER SUPPLIED AND CONTRACTOR INSTALLED. BECAUSE ROUND COLUMNS CAN VARY SO MUCH IN SIZE THEY ARE TO BE CONTRACTOR FABRICATED AND INSTALLED FROM OWNER SUPPLIED 48" x 120" SHEETS OF FINISHED STEEL. REFER TO DIVISION 09 FOR COLOR AND FINISH.
2. ALL COLUMN COVERS TO BE 4'-0" HIGH STEEL. REFER TO DIVISION 09 FOR COLOR AND FINISH.
3. AFTER COVERS HAVE BEEN INSTALLED CONTRACTOR TO CAULK AROUND TOP AND BOTTOM OF COVERS WITH CLEAR PAINTABLE SILICONE CAULK TO SECURE IN PLACE.
4. MAKES ON TOP OF COLUMN COVERS ARE FROM THE MANUFACTURER USED FOR PAINTING PURPOSES. COLUMN COVERS SHOULD BE INSTALLED WITH THE HOLES DOWNWARDS TOWARDS THE FLOOR.

PREFABRICATED COLUMN COVERS	DATE: 11/5/13
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-157

ORIGINAL ISSUE DATE 7/15/08



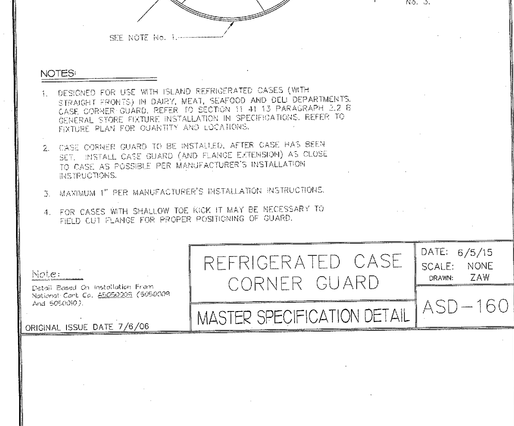
NOTES

1. FIBERGLASS PIT BOX, REFER TO DIVISION 03 OF SPECS. INSTALL PIT BOX IN CONCRETE WITH TOP SIDE OF PIT BOX FLUSH WITH TOP OF FINISHED FLOOR.
2. SEE PLANS FOR PIPE SIZES, HEAVILY CUT AROUND PIPES TO ALLOW PIPES TO BE INSULATED AND CAULK WATERTIGHT WITH SILICONE.
3. 10 GA STEEL PLATE COVER WITH GASKET, SCREW STEEL PLATE ON TO FIBERGLASS PIT, COVER JOINTS WITH DUCT TAPE TO PREVENT CONCRETE/WATER FROM ENTERING PIT BOX.
4. REFER TO REFRIGERATION DRAWING FOR PVC OR ABS ACCESS PIPE SIZE FOR REFRIGERATION LINES. SLOPE ACCESS PIPES TO WATER PIT.
5. INSTALLATION CONTRACTOR TO CUT HOLES IN PLYWOOD FOR WIRING. CUT HOLE LARGE ENOUGH TO NOT DAMAGE PIPE INSULATION. FOAM FILL EXCESS OPENING. INSULATE ALL PIPING TO PROTECT FROM CONCRETE.

NOTE:
PIT MUST BE WATERTIGHT INSTALLATION

PREFABRICATED REFRIGERATION PIT	DATE: 7/29/14
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-159

ORIGINAL ISSUE DATE 11/30/06



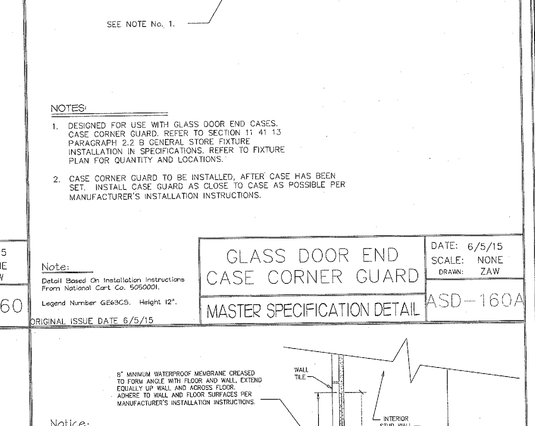
NOTES:

1. DESIGNED FOR USE WITH ISLAND REFRIGERATED CASES (WITH STRAIGHT FRONTS) IN DAIRY, MEAT, SEAFOOD AND DELI DEPARTMENTS. CASE CORNER GUARD, REFER TO SECTION 11 41 13 PARAGRAPH 2.2 B GENERAL STORE FIXTURE INSTALLATION IN SPECIFICATIONS. REFER TO FIXTURE PLAN FOR QUANTITY AND LOCATIONS.
2. CASE CORNER GUARDS TO BE INSTALLED, AFTER CASE HAS BEEN SET. INSTALL CASE GUARD (AND FLANGE EXTENSION) AS CLOSE TO CASE AS POSSIBLE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. MAXIMUM 1" PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. FOR CASES WITH SHALLOW TOE KICK IT MAY BE NECESSARY TO FIELD CUT FLANGE FOR PROPER POSITIONING OF GUARD.

Note:
Detail Based On Installation From National Cart Co. #5050005 (5050000 And 5050080).

REFRIGERATED CASE CORNER GUARD	DATE: 6/5/15
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-160

ORIGINAL ISSUE DATE 7/6/06



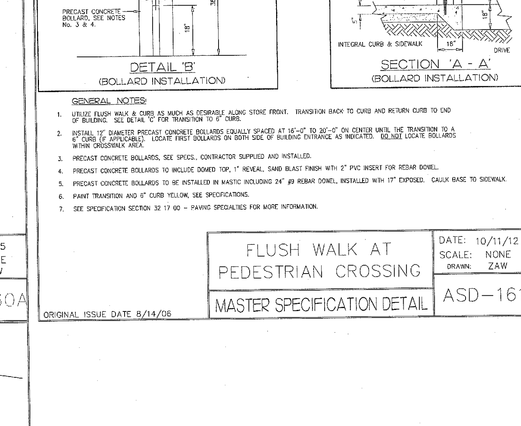
NOTES:

1. DESIGNED FOR USE WITH GLASS DOOR END CASES. CASE CORNER GUARD. REFER TO SECTION 11 41 13 PARAGRAPH 2.2 B GENERAL STORE FIXTURE INSTALLATION IN SPECIFICATIONS. REFER TO FIXTURE PLAN FOR QUANTITY AND LOCATIONS.
2. CASE CORNER GUARD TO BE INSTALLED, AFTER CASE HAS BEEN SET. INSTALL CASE GUARD AS CLOSE TO CASE AS POSSIBLE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

Note:
Detail Based On Installation Instructions From National Cart Co. 5050005.
Legend Number GD63C5. Height 12".

GLASS DOOR END CASE CORNER GUARD	DATE: 6/5/15
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-160A

ORIGINAL ISSUE DATE 6/5/15

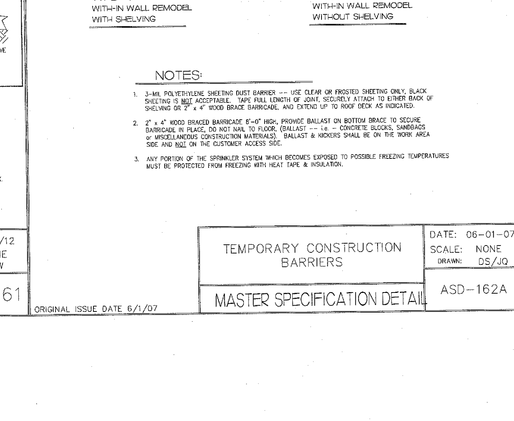


GENERAL NOTES:

1. LAYOUT FLUSH WALK & CURB AS WIDTH AS DESIGNATED ALONG STORE FRONT. TRANSITION BACK TO CURB AND RETURN CURB TO END OF BUILDING. SEE DETAIL 'C' FOR TRANSITION TO 6" CURB.
2. INSTALL 12" DIAMETER PRECAST CONCRETE BOLLARDS EQUALLY SPACED AT 16'-0" TO 30'-0" ON CENTER UNTIL THE TRANSITION TO A 6" CURB IS ACCOMPLISHED. LOCATE FIRST BOLLARDS ON BOTH SIDE OF BUILDING ENTRANCE AS INDICATED. DO NOT LOCATE BOLLARDS IN FIRE DEPARTMENT AREA.
3. PRECAST CONCRETE BOLLARDS, SEE SPECS., CONTRACTOR SUPPLIED AND INSTALLED.
4. PRECAST CONCRETE BOLLARDS TO INCLUDE DOMED TOP, 1" REVEAL, SAND BLAST FINISH WITH 3" PVC INSERT FOR REBAR DOWEL.
5. PRECAST CONCRETE BOLLARDS TO BE INSTALLED IN PLASTIC HOLDING 24" Ø REBAR DOWEL, INSTALLED WITH 17" EXPOSED. CAULK BASE TO SIDEWALK.
6. PAINT TRANSITION AND 6" CURB YELLOW, SEE SPECIFICATIONS.
7. SEE SPECIFICATION SECTION 32 17 00 - PAVING SPECIALTIES FOR MORE INFORMATION.

FLUSH WALK AT PEDESTRIAN CROSSING	DATE: 10/11/12
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-161

ORIGINAL ISSUE DATE 8/14/08

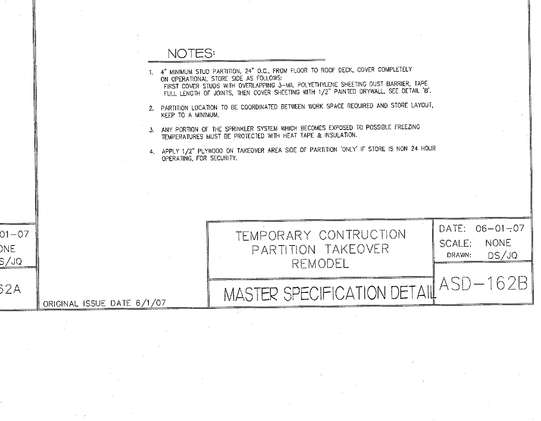


NOTES:

1. 2-MIL POLYETHYLENE SHEETING DUST BARRIER -- USE CLEAR OR FROSTED SHEETING ONLY, BLACK SHEETING IS NOT ACCEPTABLE. TAPE FULL LENGTH OF JOINT, SECURELY ATTACH TO EITHER BACK OF SHELVING OR 2" x 4" WOOD BRACE EMBRACING, AND EXTEND UP TO ROOF DECK AS INDICATED.
2. 2" x 4" WOOD BRACED BARRICADE 8'-0" HIGH, PROVIDE BALLAST ON BOTTOM BRACE TO SECURE BARRICADE IN PLACE, DO NOT NAIL TO FLOOR, (BALLAST -- i.e. -- CONCRETE BLOCKS, SANDBAGS OR MISCELLANEOUS CONSTRUCTION MATERIALS). BALLAST & WORKERS SHALL BE ON THE WORK AREA SIDE AND NOT ON THE CUSTOMER ACCESS SIDE.
3. ANY PORTION OF THE SPRINKLER SYSTEM WHICH BECOMES EXPOSED TO POSSIBLE FREEZING TEMPERATURES MUST BE PROTECTED FROM FREEZING WITH HEAT TAPE & INSULATION.

TEMPORARY CONSTRUCTION BARRIERS	DATE: 06-01-07
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: DS/JO
	ASD-162A

ORIGINAL ISSUE DATE 6/1/07

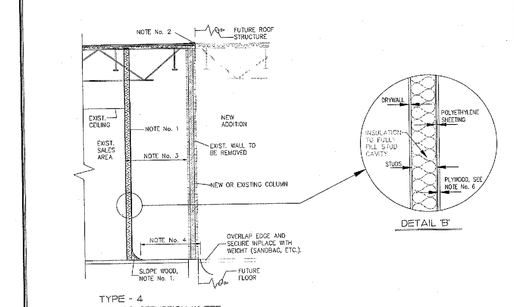


NOTES:

1. 4" MINIMUM STUD PARTITION, 24" O.C. FROM FLOOR TO ROOF DECK, COVER COMPLETELY ON OPERATIONAL SIDE SEE DETAILS FOR:
   FIRST COVER SIDES WITH DUSTPAINTING 2-MIL POLYETHYLENE SHEETING DUST BARRIER, TAPE FULL LENGTH OF JOINTS, THEN COVER SHEETING WITH 1/2" PAINTED DRYWALL, SEE DETAIL 'B'.
2. PARTITION LOCATION TO BE COORDINATED BETWEEN WORK SPACE REQUIRED AND STORE LAYOUT, KEEP TO A MINIMUM.
3. ANY PORTION OF THE SPRINKLER SYSTEM WHICH BECOMES EXPOSED TO POSSIBLE FREEZING TEMPERATURES MUST BE PROTECTED WITH HEAT TAPE & INSULATION.
4. APPLY 1/2" PLYWOOD ON TAKEOVER AREA SIDE OF PARTITION ONLY IF STORE IS NON 24 HOUR OPERATING, FOR SECURITY.

TEMPORARY CONTRUCTION PARTITION TAKEOVER REMODEL	DATE: 06-01-07
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: DS/JO
	ASD-162B

ORIGINAL ISSUE DATE 6/1/07

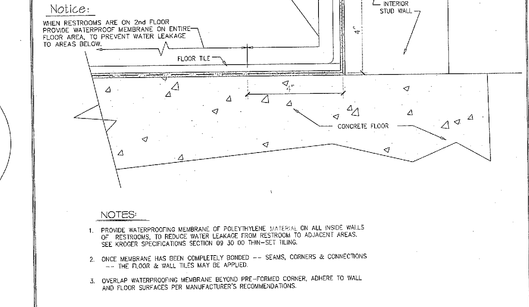


NOTES:

1. 8" MINIMUM STUD PARTITION, 24" O.C. FROM FLOOR TO ROOF DECK WITH R-19 FIBERGLASS BATT INSULATION BETWEEN STUDS.
   ON OPERATIONAL SIDE SIDE COVER COMPLETELY WITH 1/2" PAINTED DRYWALL (UNTAPED), ON NEW ADDITION SIDE COVER COMPLETELY WITH OVERLAPPING 2-MIL POLYETHYLENE SHEETING DUST BARRIER, EXTEND TO EDGE OF EXISTING FLOOR, WHERE EXPOSED TO EXTERIOR OR EXISTING ROOF SHEETING, TAPE FULL LENGTH OF JOINTS, THEN 1/2" PLYWOOD OVER SHEETING. SEE DETAIL 'B'.
2. TEMPORARILY SEAL ROOF EDGE FOR WATER TIGHT CONDITION.
3. PARTITION LOCATION TO BE COORDINATED BETWEEN WORK SPACE REQUIRED AND STORE LAYOUT, KEEP TO A MINIMUM.
4. EXTEND 2-MIL POLYETHYLENE SHEETING TO ADEQUATELY SHED WIND DRIVEN RAIN AWAY FROM OPERATING STORE. COVER POLYETHYLENE SHEETING ON FLOOR WITH PRE RATED PLYWOOD, WHERE SUBJECT TO DAMAGE.
5. ANY PORTION OF THE SPRINKLER SYSTEM WHICH BECOMES EXPOSED TO POSSIBLE FREEZING TEMPERATURES MUST BE PROTECTED WITH HEAT TAPE & INSULATION.
6. WITH WRITTEN APPROVAL OF THE PROJECT ENGINEER, THE FULL HEIGHT OF THE NEW ADDITION MAY BE SHEETED WITH 8'-0" HIGH PLYWOOD & 1' x 2' HORIZONTAL EAT STRIPS INSTALLED ON 2'-0" VERTICAL COVERS, TO SEGMENT POLYETHYLENE SHEETS & PURPOSELESS DATA INSULATION.

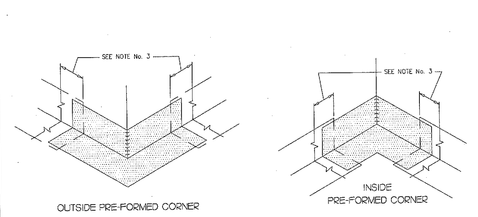
TEMPORARY CONSTRUCTION PARTITION EXTERIOR WALL	DATE: 11/10/11
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-162C

ORIGINAL ISSUE DATE 6/1/07



NOTES:

1. PROVIDE WATERPROOFING MEMBRANE OF POLYETHYLENE SHEETING ON ALL INSIDE WALLS OF RESTROOMS, TO REDUCE WATER LEAKAGE FROM RESTROOM TO ADJACENT AREAS. SEE KROGER SPECIFICATIONS SECTION 09 30 00 THIN-SET TILING.
2. ONCE MEMBRANE HAS BEEN COMPLETELY BONDED -- SEAMS, CORNERS & CONNECTIONS -- THE FLOOR & WALL TILES MAY BE APPLIED.
3. OVERLAP WATERPROOFING MEMBRANE BEYOND PRE-FORMED CORNER, ADHERE TO WALL AND FLOOR SURFACES PER MANUFACTURER'S RECOMMENDATIONS.



WATERPROOFING MEMBRANE FOR RESTROOM	DATE: 11/10/11
	SCALE: NONE
MASTER SPECIFICATION DETAIL	DRAWN: ZAW
	ASD-164

ORIGINAL ISSUE DATE 4/11/07

GENERAL NOTES :

UNLESS NOTED OTHERWISE, ALL EQUIPMENT, MATERIAL AND INSTALLATION SHALL BE CONSIDERED COMPLETE. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE TRADE.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH ARCHITECTURAL PLANS DATED ____ AND STRUCTURAL PLANS DATED ____ ALL WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS DATED ____ AND STRUCTURAL PLANS DATED ____. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF RECORD. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
THIS DRAWING IS INTENDED ONLY TO SHOW THE ARCHITECTURAL DESIGN INTENT AND DOES NOT REFLECT ALL CODE REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BUILD IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS, AND FOR INSPECTION AS REQUIRED BY THE JURISDICTION.

Fred Meyer

BANNER DECOR

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PHONE: (503) 797-3507
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Kroger

GENERAL OFFICE
FACILITY ENGINEERING

1014 VINE ST, CINCINNATI, OHIO 45202

PH: (513) 762-4417
FAX: (513) 762-4212

REMODEL

FM-172

KENT, WA

CURRENT PLAN DATE: 12/21/2015
ORIGINAL PLAN DATE:
DRAWN: TWS
REVISIONS: DEC 22 2015
CITY OF KENT PERMIT CENTER

STANDARD PLOTTED SCALE: REFER TO DRAWING SCALE

BUILDING STATS:

TOTAL SHELVING	
SALES AREA % OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS

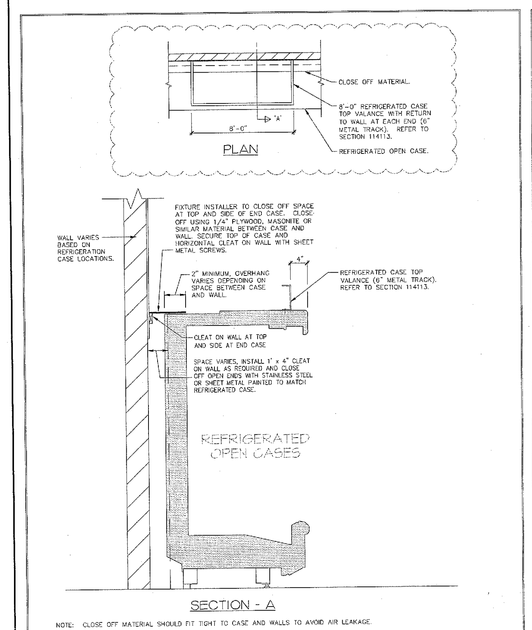
STEEL PACKAGE ID:

SHEET: A5.1.5

CAD FILE: 172-A5.1.5.dwg

215 547

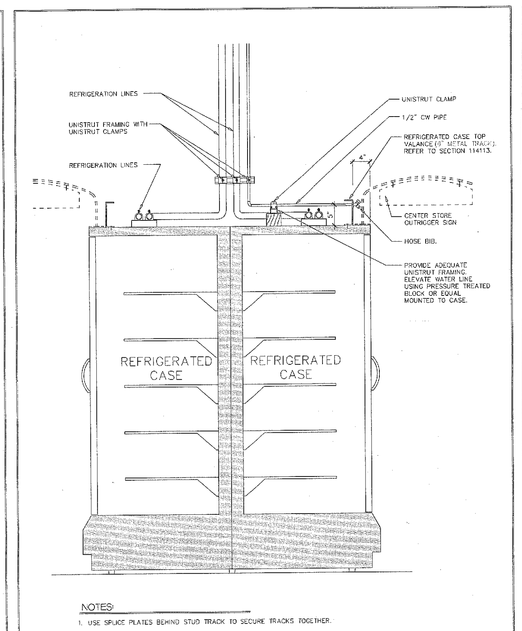
PER ASD POSTED 03/02/15



NOTE: CLOSE OFF MATERIAL SHOULD FIT TIGHT TO CASE AND WALLS TO AVOID AIR LEAKAGE.

CASE TOP CLOSE OFF SPACE BETWEEN CASE AND WALL	DATE: 7/29/14
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-2

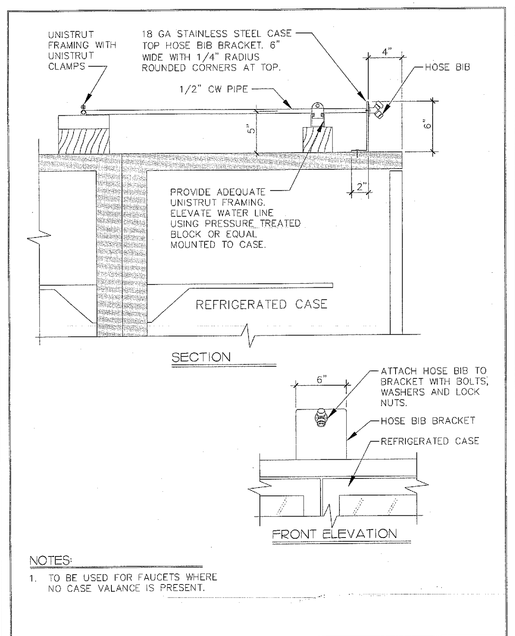
ORIGINAL ISSUE DATE 6/18/09



NOTES:
1. USE SPLICE PLATES BEHIND STUD TRACK TO SECURE TRACKS TOGETHER.

CASE VALANCE DETAIL FOR METAL TRACK	DATE: 7/29/13
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-3A

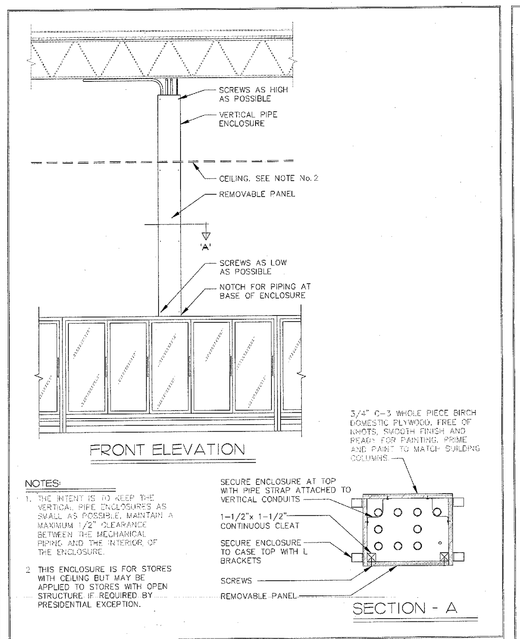
ORIGINAL ISSUE DATE 11/10/11



NOTES:
1. TO BE USED FOR FAUCETS WHERE NO CASE VALANCE IS PRESENT.

CASE TOP HOSE BIB BRACKET	DATE: 11/21/14
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-3B

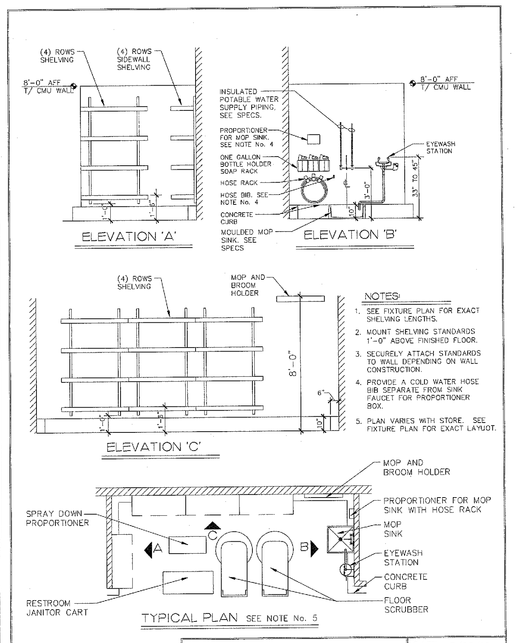
ORIGINAL ISSUE DATE XX/XX/14



NOTES:
1. THE INTENT IS TO KEEP THE VERTICAL PIPE ENCLOSURES AS SMALL AS POSSIBLE, MAINTAIN A MINIMUM 1/2" CLEARANCE BETWEEN THE MECHANICAL PIPING AND THE INTERIOR OF THE ENCLOSURE.
2. THIS ENCLOSURE IS FOR STORES WITH CEILING BUT MAY BE APPLIED TO STORES WITH OPEN STRUCTURE IF REQUIRED BY PRESIDENTIAL EXCEPTION.

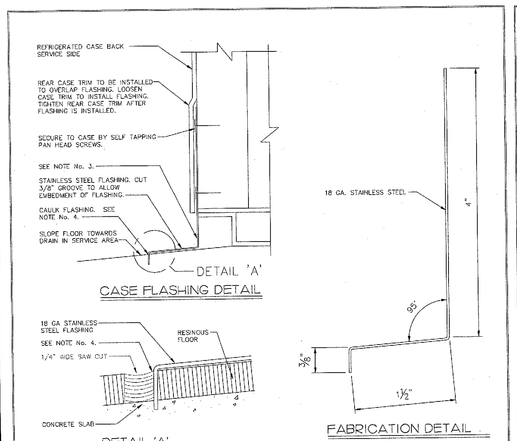
VERTICAL PIPE ENCLOSURE	DATE: 4/22/13
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-4

ORIGINAL ISSUE DATE 7/23/12



CLEANING CENTER	DATE: 7/23/12
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-5

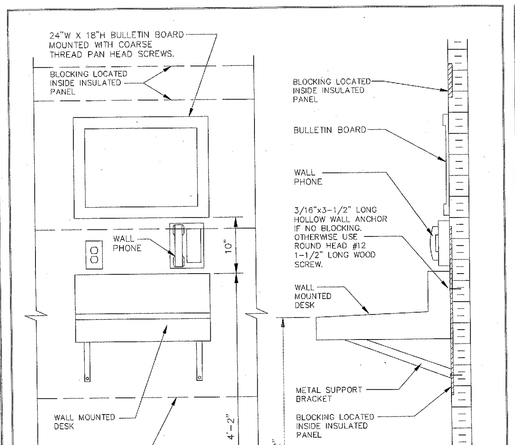
ORIGINAL ISSUE DATE 7/23/12



NOTES:
1. FOR CASES THAT DO NOT HAVE A REMOVABLE REAR CASE TRIM, ATTACH THE FLASHING TO THE BACK OF THE CASE AND CAULK ALONG THE TOP.
2. CUT 1/4" WIDE GROOVE FOR FLASHING PARALLEL TO THE REAR OF CASES TO ENSURE PROPER INSTALLATION.
3. WHERE FLASHING PIECES BUTT TOGETHER CAULK JOINT WITH SILVER SILICONE ENTIRE LENGTH OF JOINT EXPOSED.
4. CAULK JOINT WHERE FLASHING SETS IN RESINOUS FLOOR JOINT WITH POLYUREA CAULK TO MATCH FLOOR COLOR.

STAINLESS STEEL WATER CUT OFF FLASHING	DATE: 8/15/13
	SCALE: NONE
	DRAWN: ZAW/TMW
MASTER INSTALLATION DETAIL	GISD-14

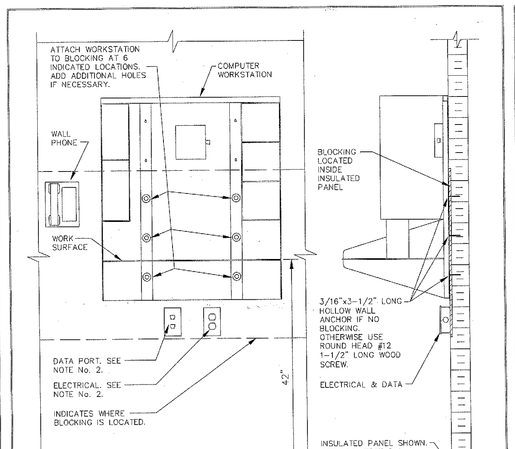
ORIGINAL ISSUE DATE 10/11/12



NOTES:
1. SECURELY ATTACH ALL ITEMS TO WALL METHOD OF ATTACHMENT BASED ON WALL TYPE CONSTRUCTION.

WALL MOUNTED DESK TYPICAL	DATE: 3/5/14
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-15

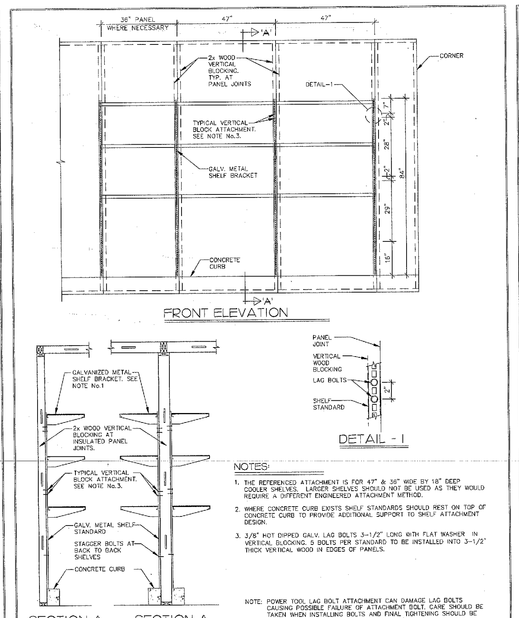
ORIGINAL ISSUE DATE 7/23/12



NOTES:
1. SECURELY ATTACH ALL ITEMS TO WALL METHOD OF ATTACHMENT BASED ON WALL TYPE CONSTRUCTION.
2. FEED ELECTRICAL & DATA INSIDE STUD WALL.
3. SURFACE MOUNT CONDUIT FOR ELECTRICAL AND DATA ON INSULATED PANELS OR MASONRY WALL CONSTRUCTION.

WALL MOUNTED COMPUTER WORKSTATION	DATE: 3/5/14
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-15A

ORIGINAL ISSUE DATE 3/5/14

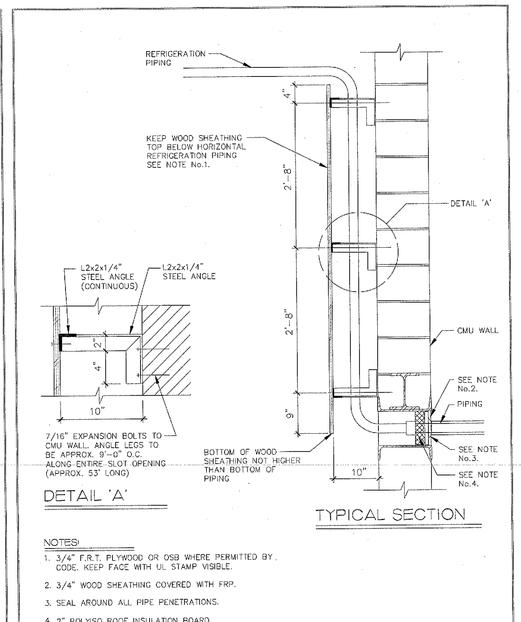


NOTES:
1. THE REFERENCED ATTACHMENT IS FOR 42" & 36" WIDE BY 18" DEEP COOLER SHELVES. LARGER SHELVES SHOULD NOT BE USED AS THEY WOULD REQUIRE A DIFFERENT ENGINEERED ATTACHMENT METHOD.
2. WHERE CONCRETE CURB EXISTS SHELF STANDARDS SHOULD REST ON TOP OF CONCRETE CURB TO PROVIDE ADDITIONAL SUPPORT TO SHELF ATTACHMENT DESIGN.
3. 3/8" HOT DIPPED GALV. LAG BOLTS 3-1/2" LONG WITH FLAT WASHER IN VERTICAL BLOCKING. 3 BOLTS PER STANDARD TO BE INSTALLED INTO 3-1/2" THICK VERTICAL WOOD IN EDGES OF PANELS.

NOTE: POWER TOOL LAG BOLT ATTACHMENT CAN DAMAGE LAG BOLTS CAUSING POSSIBLE FAILURE OF ATTACHMENT BOLT. CARE SHOULD BE TAKEN WHEN INSTALLING BOLTS AND FINAL TIGHTENING SHOULD BE HAND TURNED TO PREVENT DAMAGING BOLTS.

COOLER, FREEZER & PREP ROOM SHELVING INSTALLATION DETAIL	DATE: 5/7/14
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-16A

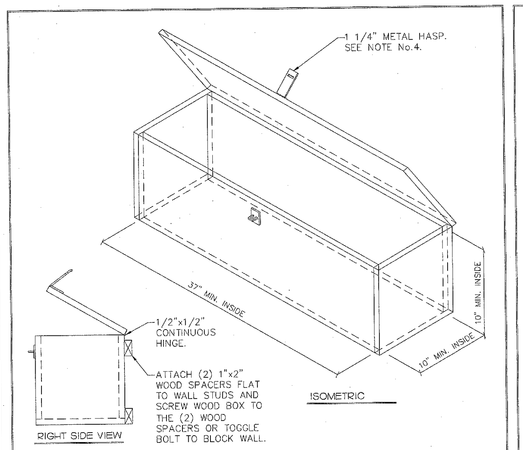
ORIGINAL ISSUE DATE 1/14/13



NOTES:
1. 3/4" F.R.T. PLYWOOD OR OSB WHERE PERMITTED BY CODE. KEEP FACE WITH U. STAMP VISIBLE.
2. 3/4" WOOD SHEATHING COVERED WITH FRP.
3. SEAL AROUND ALL PIPE PENETRATIONS.
4. 2" POLYISO ROOF INSULATION BOARD.

WALL MOUNTED REFRIGERATION PIPE GUARD	DATE: 7/23/12
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-17

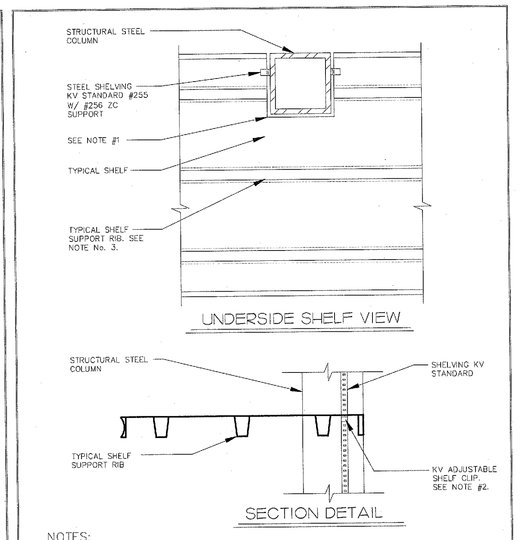
ORIGINAL ISSUE DATE 7/23/12



NOTES:
1. BOX TO BE CONSTRUCTED OF 3/4" PRE-FINISHED PLYWOOD OR MDF OR 3/4" CABINET GRADE PLYWOOD OR MDF WITH ONE COAT OF URETHANE.
2. GLUE ALL JOINTS AND NAIL AS NECESSARY W/ 8D FINISH NAILS TO MAKE BOX STURDY.
3. ROUND OFF SHARP CORNER EDGES.
4. CENTER 1 1/4" METAL HASP ON BOX AS SHOWN.
5. INSTALL BOX TOP SURFACE 44" ABOVE FINISH FLOOR.
6. INSTALL PLAN BOX ON BUILDING WALL IN SPRINKLER RISER CAGE OR OTHER LOCATION DETERMINED BY KROGER PROJECT MANAGER.

BUILDING PLAN STORAGE BOX	DATE: 7/23/12
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-24

ORIGINAL ISSUE DATE 7/23/12



NOTES:
1. CUT OPENING FOR COLUMN AS TIGHT AS POSSIBLE. 1/4" GAP MAXIMUM.
2. INSTALL STANDARD BETWEEN SHELVING RIBS. STANDARD LOCATIONS MAY VARY BASED ON SHELVING CUT OPENINGS AND COLUMN POSITIONS.
3. SUPPORT RIB LOCATION VARIES BY MANUFACTURER AND SHELF DEPTH.

CUT SHELVING SUPPORT DETAIL	DATE: 7/23/12
	SCALE: NONE
	DRAWN: ZAW
MASTER INSTALLATION DETAIL	GISD-50

ORIGINAL ISSUE DATE 7/23/12

PER GISD POSTED 11/21/14

GENERAL NOTES :

UNLESS NOTED OTHERWISE, THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED ALL EQUIPMENT IS TO BE CONSIDERED INCLUDED IN THE CONTRACT. IT IS THE RESPONSIBILITY OF THE WORKER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL, M.E.P. AND FIRE PROTECTION DRAWINGS. ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE APPROVED AUTHORITIES HAVING JURISDICTION FOR ANY DISCREPANCIES AND CLARIFICATIONS.

THESE DRAWINGS IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. CONSTRUCTION STANDARDS. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION AUTHORITIES HAVING JURISDICTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. ANY DISCREPANCIES NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY SHALL BE THE RESPONSIBILITY OF THE ARCHITECT IMPOSED BY THE OWNER.

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REMODEL
FM-172
KENT, WA

CURRENT PLAN DATE:
12/21/2015
ORIGINAL PLAN DATE:
RECEIVED
DEC 22 2015
CITY OF KENT PERMIT CENTER
CHECKED

STANDARD PLOTTED SCALE:
REFER TO DRAWING SCALE

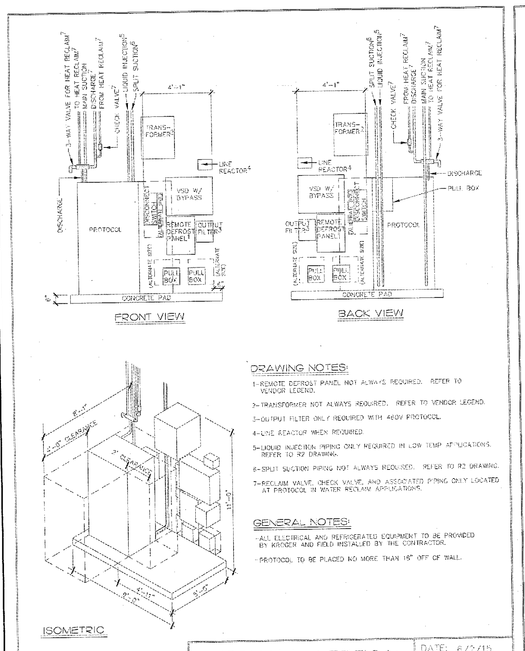
BUILDING STATS:

TOTAL SHELVING	
SALES AREA % OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS
STEEL PACKAGE ID:

SHEET:
A5.1.6

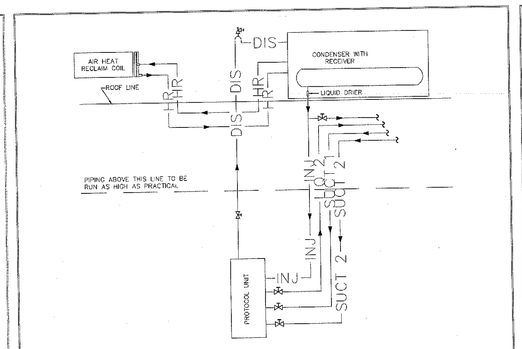
CAD FILE: 172-A5.1.6.dwg



HUSSMANN VERTICAL PROTOCOL EQUIPMENT — MASTER INSTALLATION DETAIL

DATE: 6/2/10 | SCALE: NONE | DRAWN: ZAW | RISD-11

ORIGINAL ISSUE DATE 3/15/10



LEGENDS:

- DIS — DISCHARGE
- HR — HEAT RECLAIM
- LIQ 1 — NONECONOMIZED LIQUID LINE
- LIQ 2 — ECONOMIZED LIQUID LINE (-OF UNIT HAS VAPOR INJECTED COMPRESSORS) -(INSULATED)
- SUCT 1 — SUCTION GROUP 1 SUCTION LINE (INSULATED)
- SUCT 2 — SUCTION GROUP 2 SUCTION LINE (-OF UNIT IS SPLIT SUCTION) -(INSULATED)
- INJ — INJECTION LINE (-OF UNIT HAS LIQUID OR VAPOR INJECTED COMPRESSORS) -(SIZED PER PROTOCOL STUB)
- BALL VALVE BY REFRIGERATION CONTRACTOR WHERE REQUIRED.
- PURGE VALVE BY REFRIGERATION CONTRACTOR

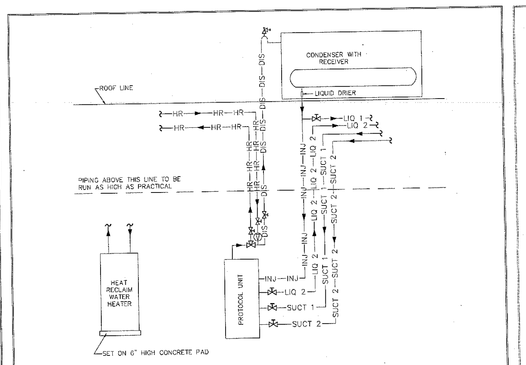
NOTES:

LINE SIZES ARE SHOWN IN LINE SIZING TABLE (SEE R6.2 AND R9.1)

PROTOCOL PIPING DETAIL AIR RECLAIM – TYPICAL — MASTER INSTALLATION DETAIL

DATE: 6/2/15 | SCALE: NONE | DRAWN: ZAW | RISD-12A

ORIGINAL ISSUE DATE 9/11/09



LEGENDS:

- DIS — DISCHARGE
- HR — HEAT RECLAIM
- LIQ 1 — NONECONOMIZED LIQUID LINE
- LIQ 2 — ECONOMIZED LIQUID LINE (-OF UNIT HAS VAPOR INJECTED COMPRESSORS) -(INSULATED)
- SUCT 1 — SUCTION GROUP 1 SUCTION LINE (INSULATED)
- SUCT 2 — SUCTION GROUP 2 SUCTION LINE (-OF UNIT IS SPLIT SUCTION) -(INSULATED)
- INJ — INJECTION LINE (-OF UNIT HAS LIQUID OR VAPOR INJECTED COMPRESSORS) -(SIZED PER PROTOCOL STUB)
- BALL VALVE BY REFRIGERATION CONTRACTOR WHERE REQUIRED.
- CHECK VALVE BY CONTRACTOR (SERVICEABLE WHEN LARGER THAN 7/8")
- PURGE VALVE BY REFRIGERATION CONTRACTOR
- 3-WAY SOLENOID VALVE FOR HEAT RECLAIM SHIPPED LOOSE BY MANUFACTURER, FIELD INSTALLED AND WIRED BY CONTRACTOR.

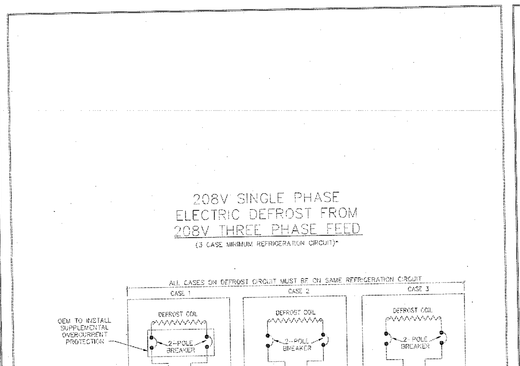
NOTES:

LINE SIZES ARE SHOWN IN LINE SIZING TABLE (SEE R6.2 AND R9.1)

PROTOCOL PIPING DETAIL WATER RECLAIM – TYPICAL — MASTER INSTALLATION DETAIL

DATE: 6/2/15 | SCALE: NONE | DRAWN: ZAW | RISD-12B

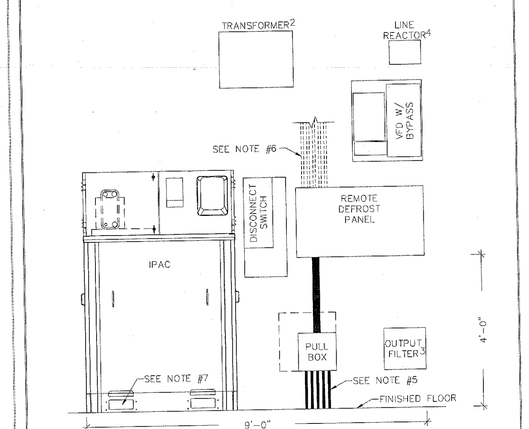
ORIGINAL ISSUE DATE 9/11/09



CONVENTIONAL CONTROL ELECTRIC DEFROST WIRING — MASTER INSTALLATION DETAIL

DATE: 11/18/15 | SCALE: NONE | DRAWN: ZAW | RISD-13

ORIGINAL ISSUE DATE 9/7/04



DRAWING NOTES:

1. REMOTE DEFROST PANEL NOT ALWAYS REQUIRED. REFER TO REFRIGERANTS CASE MANUFACTURER LEGEND.
2. TRANSFORMER NOT ALWAYS REQUIRED. REFER TO REFRIGERATED CASE MANUFACTURER LEGEND.
3. OUTPUT FILTER ONLY REQUIRED WITH 480V VFDS.
4. LINE REACTOR WHEN REQUIRED. CONSULT WITH DIVISION FOR POWER QUALITY, AT STORE SITES.
5. WHERE STORE CONSTRUCTION ROUTE ELECTRICAL CONDUITS UNDERGROUND, WORK WILL STUB A MINIMUM OF 1 EQUAL FINISH FLOOR.
6. FOR REMODEL PROJECTS ROUTE ELECTRICAL CONDUITS OVERHEAD.
7. FACTORY PROVIDED PUBLICITY ACCESS IN BASE FRAME.

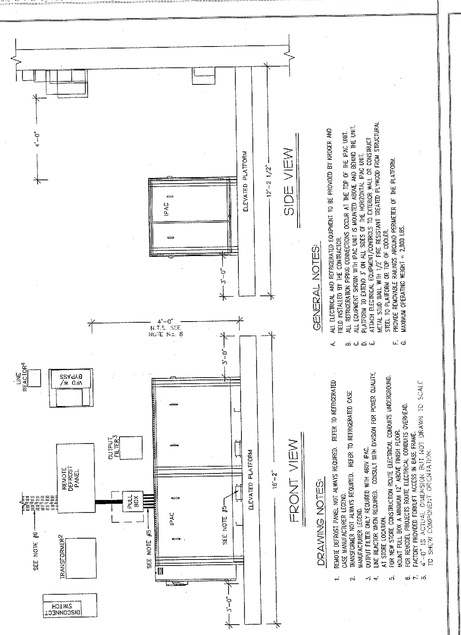
GENERAL NOTES:

A. INSTALL IPAC UNIT 18" FROM THE WALL.
B. ALL ELECTRICAL AND REFRIGERATED EQUIPMENT TO BE PROVIDED BY KROGER AND FIELD INSTALLED BY THE CONTRACTOR.
C. ALL REFRIGERATION PIPING CONNECTIONS OCCUR AT THE TOP OF THE IPAC UNIT.
D. THE HOUSING OF THE TRANSFORMER MAY VARY BASED ON LOCAL ALTITUDE WARNING AMPERATION.
E. WHERE MULTIPLE UNITS ARE CONTROLLED BY ONE CONTROLLER PROVIDE 3/4" CONDUIT FROM UNIT TO UNIT BETWEEN CONTROL PANELS FOR CONTROL WIRING APPROXIMATE SPACING BETWEEN = 1.50-1.55.

HILL PHOENIX VERTICAL IPAC — MASTER INSTALLATION DETAIL

DATE: 10/9/13 | SCALE: NONE | DRAWN: TWW/ZAW | RISD-15

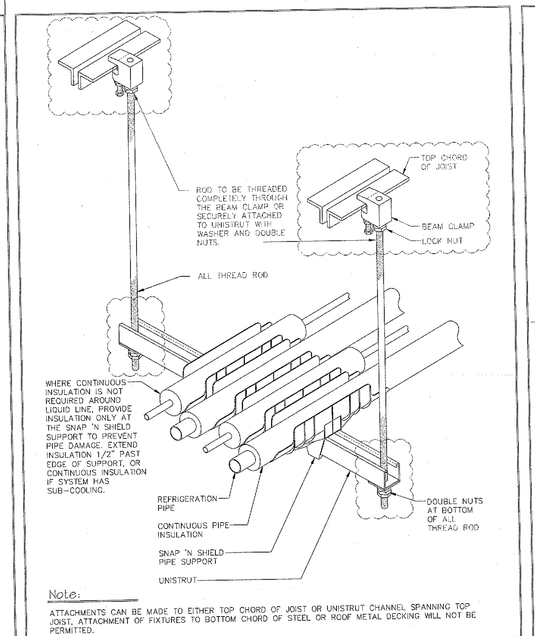
ORIGINAL ISSUE DATE 8/15/13



HILL PHOENIX HORIZONTAL IPAC — MASTER INSTALLATION DETAIL

DATE: 5/7/14 | SCALE: NONE | DRAWN: TWW/ZAW | RISD-15A

ORIGINAL ISSUE DATE 8/15/13



Note:

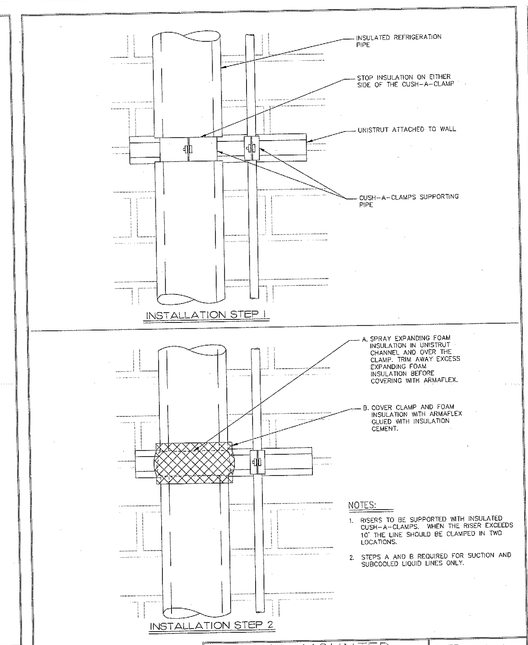
ATTACHMENTS CAN BE MADE TO EITHER TOP CHORD OF JOIST OR UNISTRUT CHANNEL SPANNING TOP JOIST. ATTACHMENT OF FIXTURES TO BOTTOM CHORD OF STEEL OR ROOF METAL DECKING WILL NOT BE PERMITTED.

Detail Based on: SNAP 'N SHIELD PIPE SUPPORT BY COOPER B-LINE

REFRIGERATION PIPE SUPPORT DETAIL — MASTER INSTALLATION DETAIL

DATE: 1/30/15 | SCALE: NONE | DRAWN: ZAW | RISD-33

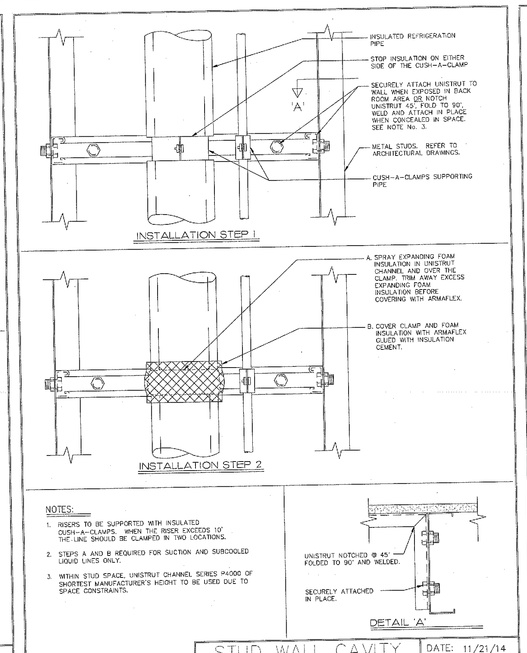
ORIGINAL ISSUE DATE 7/23/12



WALL MOUNTED REFRIGERATION PIPING RISER — MASTER INSTALLATION DETAIL

DATE: 11/21/14 | SCALE: NONE | DRAWN: ZAW | RISD-34

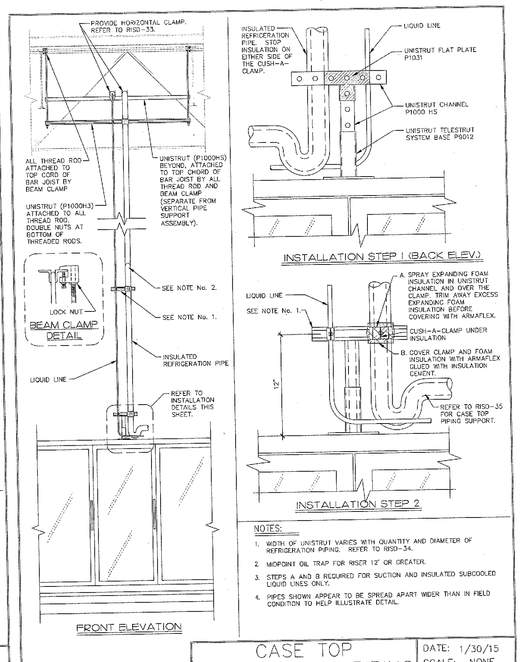
ORIGINAL ISSUE DATE 1/14/13



STUD WALL CAVITY REFRIGERATION PIPING RISER — MASTER INSTALLATION DETAIL

DATE: 11/21/14 | SCALE: NONE | DRAWN: ZAW | RISD-34A

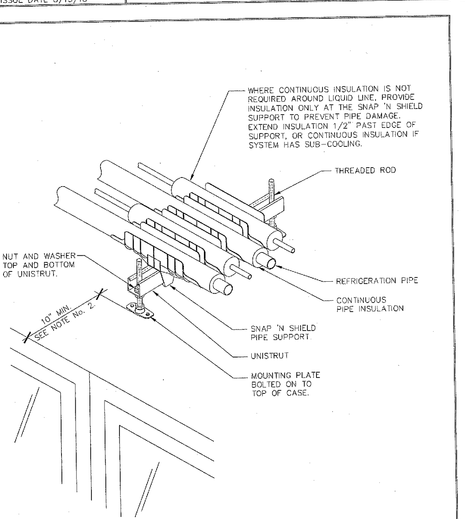
ORIGINAL ISSUE DATE 11/5/13



CASE TOP REFRIGERATION PIPING RISER SUPPORT — MASTER INSTALLATION DETAIL

DATE: 1/30/15 | SCALE: NONE | DRAWN: ZAW | RISD-34B

ORIGINAL ISSUE DATE 1/30/15



Notes:

1. SLOPE PIPES 1/16" PER FOOT.
2. PROVIDE CLEARANCE FOR VALANCE AND OUTRIGGER SIGN.

Detail Based on: SNAP 'N SHIELD PIPE SUPPORT BY COOPER B-LINE

CASE TOP REFRIGERATION PIPE SUPPORT DETAIL — MASTER INSTALLATION DETAIL

DATE: 11/5/13 | SCALE: NONE | DRAWN: ZAW | RISD-35

ORIGINAL ISSUE DATE 11/5/13

PER RISD POSTED 01/30/15

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED REMODEL UNLESS NOTED OTHERWISE. ALL NEW, REMODELED EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL DATED _____ AND KROGER PLANS DATED _____. ALL THE INFORMATION MAY NOT BE FIELD VERIFIED. ANY QUESTIONS, CONTACT KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
This drawing is intended only to show the requirements of the job. The design of the building is to conform to all applicable laws, codes, ordinances and regulations. It is the responsibility of the Contractor to see that the building complies with these requirements. Any deviations from these requirements must be approved by the Architect or Engineer of Record.

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REMODEL
FM-172
KENT, WA

CURRENT PLAN DATE: 12/21/2015
ORIGINAL PLAN DATE: RECEIVED
DRAWN: DEC 29 2015
REVISIONS: PERMIT CENTER

STANDARD PLOTTED SCALE: REFER TO DRAWING SCALE

BUILDING STATS:

TOTAL SHELVING	
SALES AREA % OF GROSS BUILDING	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	
GROSS BUILDING	

STANDARD DETAILS

STEEL PACKAGE ID:

SHEET: A5.1.7

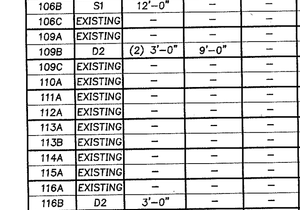
CAD FILE: 172-A5.1.7.dwg

DOOR SCHEDULE - INTERIOR DOORS

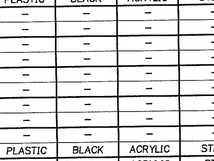
DOOR		SIZE		DOOR				FRAME					ASSEMBLY			DOOR	
NO	TYPE	WIDTH	HEIGHT	THK	MAT'L	FINISH	GLAZ	MAT'L	FINISH	HEAD	JAMB	THRESHOLD	HDWR	FIRE RATE	REMARKS	NO	RM NAME
100A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	100	ALE VESTIBULE
100B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	100	ALE VESTIBULE
100C	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	100	ALE VESTIBULE
101A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	101	FSR
103A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	103	ELEVATOR EQUIPMENT
104A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	104	ALE STOCK
105A	D1	3'–0"	7'–0"	1 3/4"	HM	PAINT	–	HM	PAINT	–	–	–	–	–	–	105	ELECTRICAL ROOM
106A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	106	HOM VESTIBULE
106B	S1	12'–0"	–	–	ALUM	CLR ANOD	TEMP	ALUM	CLR ANOD	–	–	–	–	–	22	106	HOM VESTIBULE
106C	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	109	HOM STOCKROOM
109A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	109	HOM STOCKROOM
109B	D2	(2) 3'–0"	9'–0"	–	PLASTIC	BLACK	ACRYLIC	STEEL	PAINT	ASD 56	ASD 56	–	–	–	–	109	HOM STOCKROOM
109C	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	110	ELECTRICAL ROOM
110A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	111	GROCERY FREEZER
111A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	112	DAIRY COOLER
112A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	113	ELECTRICAL ROOM
113A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	113	ELECTRICAL ROOM
113B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	114	HANGING DELI COOLER
114A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	115	MEAT COOLER
115A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	116	MEAT PREP
116A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	116	MEAT PRP
116B	D2	3'–0"	–	–	PLASTIC	BLACK	ACRYLIC	STEEL	PAINT	ASD 56	ASD 56	–	–	–	7	117	FOD STOCK
117A	D2	(2) 3'–0"	9'–0"	–	PLASTIC	BLACK	ACRYLIC	STEL	PAINT	ASD 56	ASD 56	–	–	–	–	117	FOD STOCK
117B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	118	MEAT FREEZER
118A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	119	SEAFOOD COOLER
119A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120	MEAT COOLER
120A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	121	UNISEX RESTROOM
121A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	123	SEAFOOD PREP
123A	F1	3'–0"	3'–0"	–	PLASTIC	BLACK	–	STEEL	–	MFR	–	–	–	–	–	125	BAKERY FREEZER
125A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	125	BAKERY FREEZER
125B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	127	BAKERY PREP
127A	F1	3'–0"	3'–0"	–	PLASTIC	BLACK	–	STEEL	–	MFR	–	–	–	–	–	128	PRODUCE PREP
128A	D2	(2) 3'–0"	9'–0"	–	PLASTIC	BLACK	ACRYLIC	STEEL	PAINT	ASD 56	ASD 56	–	–	–	–	129	FLORAL COOLER
129A	–	3'–0"	–	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	–	–	6	131	PRODUCE COOLER
131A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	132	DELI COOLER
132A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	134	DELI COOLER
134A	–	3'–0"	–	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	–	–	6	136	UNISEX RESTROOM
136A	D1	3'–0"	7'–0"	1–3/4"	HM	PAINT	–	HM	PAINT	–	–	–	–	–	–	137	PRX WORK
137A	D1	3'–0"	7'–0"	1 3/4"	HM	PAINT	–	HM	PAINT	5/A6.1	5/A6.1	–	10A	–	23	137	PRX WORK
137B	SEE REMARKS	SEE REMARKS	–	1–3/4"	ALUM	CLR ANOD	1/4" TEMP	ALUM	CLR ANOD	MFR	MFR	MFR	ASD–74	–	23, 24	137	PRX WORK
137C	SEE REMARKS	SEE REMARKS	–	1–3/4"	ALUM	CLR ANOD	1/4" TEMP	ALUM	CLR ANOD	MFR	MFR	MFR	ASD–74	–	23, 24	138	PRX WAITING
138A	G1	20'–0"	–	–	–	–	–	–	–	–	–	–	–	–	–	139	PRX WAITING
139A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	139	PRX WAITING
139B	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	142	FOD VESTIBULE
142A	S1	14'–0"	–	–	ALUM	CLR ANOD	TEMP	ALUM	CLR ANOD	–	–	–	–	–	22	142	FOD VESTIBULE
142B	S1	14'–0"	–	–	ALUM	CLR ANOD	TEMP	ALUM	CLR ANOD	–	–	–	–	–	22	143	JEWELRY
143A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	144	JEWELRY STOCK
144A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	146	FM
146A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	147	PRICE CHANGE
147A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	148	CF
148A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	149	TELLER
149A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	150	EXIT CORRIDOR
150A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	151	WOMEN'S RESTROOM
151A	RELOCATE	–	–	–	–	REFINISH	–	–	PAINT	–	–	–	–	–	–	152	MEN'S RESTROOM
152A	RELOCATE	–	–	–	–	REFINISH	–	–	PAINT	–	–	–	–	–	–	153	BSM
153A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	156	EXIT CORRIDOR
156A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	156	EXIT CORRIDOR
156B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	160	CUSTOMER SERVICE
160A	–	3'–0"	–	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	–	–	–	160	CUSTOMER SERVICE
160B	–	3'–0"	–	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR	–	–	–	161	EXIT CORRIDOR
161A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	200	STORAGE
200A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	201	MANAGER
201A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	202	EXIT CORRIDOR
202A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	203	MEZZANINE ACCESS
203A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	203	MEZZANINE ACCESS
203B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	204	ALE STOCK
204A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	205	STORAGE
205A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	205	STORAGE
205B	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	205	STORAGE
205C	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	206	MEZZANINE ACCESS
206A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	207	EXIT CORRIDOR
207A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	208	TRAINING
208A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	211	OFFICE
211A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	212	LPM
212A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	213	CCTV
213A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	214	DIRECTOR
214A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	215	TELE
215A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	216	ELECTRICAL ROOM
216A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	217	MEZZANINE ACCESS
217A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	218	STORAGE
218A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	219	MEN'S RESTROOM
219A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	220	WOMEN'S RESTROOM
220A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	221	OFFICE
221A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	222	MEZZANINE ACCESS
222A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	223	MECHANICAL MEZZANINE
223A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	225	STORE MEZZANINE
225A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	226	MECHANICAL MEZZANINE
226A	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–		

DOOR SCHEDULE - EXTERIOR DOORS

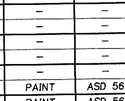
DOOR		SIZE		DOOR				FRAME					ASSEMBLY			DOOR	
NO	TYPE	WIDTH	HEIGHT	THK	MAT'L	FINISH	GLAZ	MAT'L	FINISH	HEAD	JAMB	THRESHOLD	HDWR	FIRE RATE	REMARKS	NO	RM NAME
100X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	100X	ALE VESTIBULE
101X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	101X	ALE VESTIBULE
102X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	102X	ALE VESTIBULE
103X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	103X	EMERGENCY EXIT
104X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	104X	EMERGENCY EXIT
105X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	105X	HOME VESTIBULE
106X	OH	8'–0"	7'–0"	–	STEEL	MFR	–	–	–	–	–	–	–	–	2	106X	HOME ENTRY
107X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	107X	HOME ENTRY
108X	S1	12'–0"	–	–	ALUM	CLR ANOD	TEMP	ALUM	CLR ANOD	–	–	–	–	–	1, 17, 22	108X	HOME ENTRY
109X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	109X	EMERGENCY EXIT
110X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	110X	OAS GARDEN
111X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	111X	DELIVERY DOCK
112X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	112X	EMERGENCY EXIT
113X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	113X	FOOD STOCK
114X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	114X	TRASH
115X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	115X	DELIVERY DOCK
116X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	116X	DELIVERY DOCK
117X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	117X	TRASH
118X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	118X	EMERGENCY EXIT
119X	OH	6'–0"	7'–0"	–	STEEL	MFR	–	–	–	–	–	–	–	–	2	119X	BASCART ENTRY
120X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120X	FOOD ENTRY
121X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	121X	FOOD ENTRY
122X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	122X	FOOD ENTRY
123X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	123X	LOT SWEEP
124X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	124X	EMERGENCY EXIT
125X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	125X	EMERGENCY EXIT
126X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	126X	OAS GARDEN
127X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	127X	OAS GARDEN
128X	EXISTING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	128X	OAS GARDEN



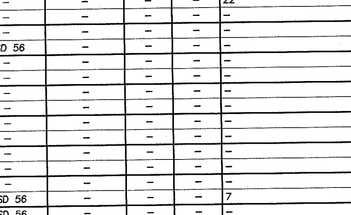
D1 DOOR



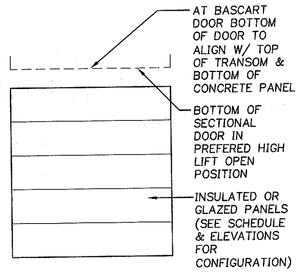
D2 TRAFFIC DOOR



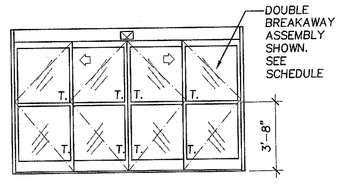
F1 PMP GATE



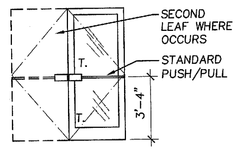
G1 SLIDING HORIZONTAL GRILLE



OH SECTIONAL OVERHEAD DOOR



S1 SLIDING AUTOMATIC ENTRANCE DOOR



S2 SWINGING STOREFRONT DOOR

1 A6.1 **DOOR TYPES** 1/4"=1'–0"

NOTE: "T" = TEMPERED GLASS. SEE STOREFRONT ELEVATIONS AND/OR DOOR SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION

DOOR TYPES

GENERAL NOTES

A. OUTSIDE FACE, FRAME AND EDGES OF EXTERIOR DOORS TO BE PAINTED PER EXTERIOR ELEVATIONS UNLESS NOTED OTHERWISE.
B. EXTERIOR DOORS ARE NUMBERED 1,23,...ETC. AND RECEIVE AN X AS A SUFFIX. INTERIOR DOORS ARE NUMBERED WITH THE ROOM NUMBER THEY SERVE AND RECEIVE AN ALPHABETICAL SUFFIX SUCH AS A, B, C,...ETC. SEE SPECIFICATIONS FOR SIGNAGE.
C. ALL DOORS EXCEPT GATES OFCI, UNO.
D. ALL LEGAL EXITS INDICATED ON THE PLANS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT AND SHALL BE LABELED, "THIS DOOR TO REMAIN UNLOCKED WHILE BUILDING IS OCCUPIED" IN BLOCK LETTERS A MINIMUM OF 1 INCH HIGH ON A CONTRASTING BACKGROUND. SPECIAL LOCKING DEVICE SHALL BE AN APPROVED TYPE. FLUSH BOLTS OR SURFACE BOLTS ARE NOT ALLOWED. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR DOORS, 5 LBS. FOR INTERIOR DOORS AND 15 LBS. FOR FIRE RATED DOORS.
E. WHERE DOORS HAVE BEEN INDICATED IN THE CORNER OF A ROOM BUT HAVE NOT BEEN LOCATED WITH A DIMENSION, LOCATE 4" MIN TO THE ADJACENT WALL. ALLOW FOR FULL TRIM AND HARDWARE.
F. AT SLIDING AUTOMATIC ENTRANCE DOORS, ONLY THE AUTO–DOOR FRAME AND MOTOR ASSEMBLY SHALL BE OFOI. ALL OTHER SCOPE INCLUDING BUT NOT LIMITED TO: SEALANT, MISCELLANEOUS TRIM, POWER, AND GLAZING SHALL BE CFCI UNLESS NOTED OTHERWISE.
G. ALL DOORS SHOULD BE TIGHT FITTING AND NOT ALLOW RODENT ENTRY.
H. ALL WOOD DOORS TO BE CLEANED AND RE–FINISHED, TYP.
J. EXTERIOR HOLLOW METAL DOORS TO BE INSULATED.
K. VERIFY EXISTING SILL/THRESHOLD CONDITION AT SLIDING AUTOMATIC ENTRANCE DOORS.

DOOR SCHEDULE REMARKS

1. OFOI DOOR, GLAZING BY G.C.
2. BOTTOM PANEL TO BE OPAQUE, ALL OTHER PANELS TO BE GLAZED
3. BLINDS ON INTERIOR (CONSULTATION ROOM) SIDE
4. STRIP CURTAIN
5. COOLER/FREEZER DOOR
6. INSULATED IMPACT DOOR
7. INSULATED DOUBLE IMPACT DOOR
8. 24"x36" HALF GLASS LIGHT
9. FIELD VERIFY EXISTING CONDITION TO COORDINATE DOOR SIZE PRIOR TO ORDERING
10. SPECIAL REINFORCED HOLLOW METAL DOOR FRAME PER ASD
11. ELECTROSTATIC PAINT TO MATCH ADJACENT
12. GLAZED SECTIONAL DOOR. FIRST (BOTTOM) PANEL TO BE SOLID (INSULATED). SEE ASD COORDINATE OPERATION FOR JAMB & HEAD DETAILS REFER TO DETAILS NOTED IN SCHEDULE. FOR DOOR OPERATION AND INSTALLATION, SEE ASD & COORDINATE W/ DOOR VENDOR TO BE PROJECT SPECIFIC.
13. FOR DOOR FINISHES SEE JEWELRY X/A4.X.X
14. SLIDING HORIZONTAL SECURITY GRILLE, FIELD VERIFY LENGTH. COORDINATE LOCATION OF FLOOR RECESSED DUST PROOF LOCK STRIKE W/ MANUFACTURER
15. PAIR OF DOORS TO FIT FRAME OPENING.
16. NEW DOOR AND FRAME IN EXISTING OPENING
17. HEIGHT PER (E) FENCE
18. NEW DOOR IN EXISTING OPENING, OFOI (DOOR AND GLASS). VENDOR TO FIELD VERIFY EXISTING OPENING/CONDITIONS
22. SILL THRESHOLD TO BE:
    EXTERIOR SIDE TO BE TAPERED(ACCESSIBLE) PROFILE
    INTERIOR AT SLIDING PANELS(SX PANELS/WALK–OFF MAT) TO SQUARE PROFILE
    INTERIOR AT BREAK OUT PANELS(SO PANELS) TO BE TAPERED(ACCESSIBLE) PROFILE
23. GLAZING PROVIDED BY GENERAL CONTRACTOR
24. PHARMACY DROP–OFF DOORS SIZE, HARDWARE & INSTALLATION PER ASD–74

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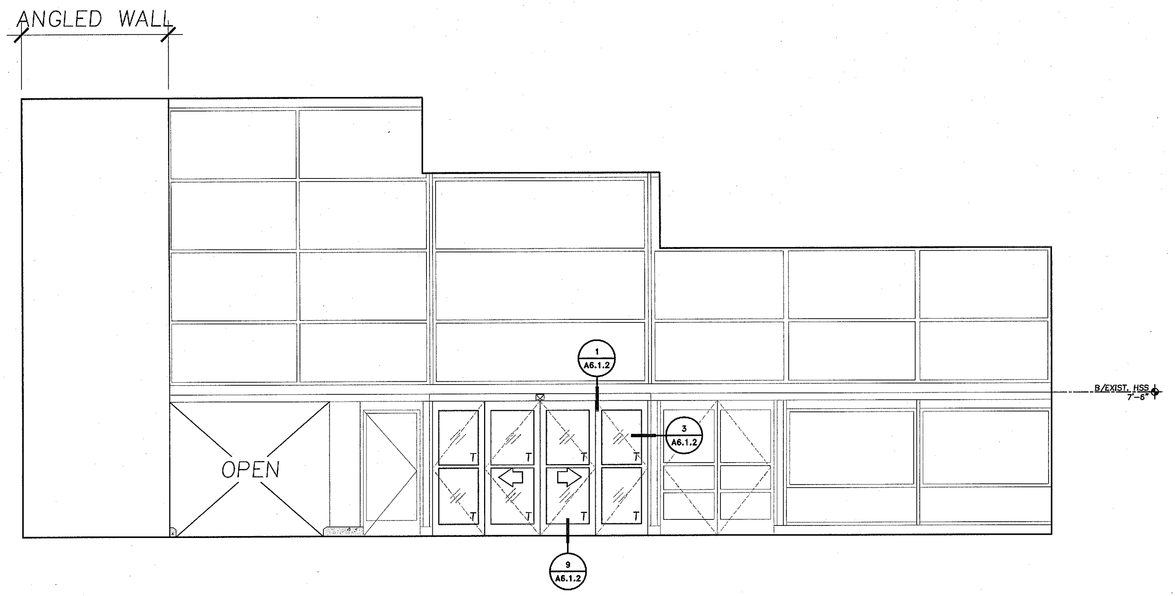
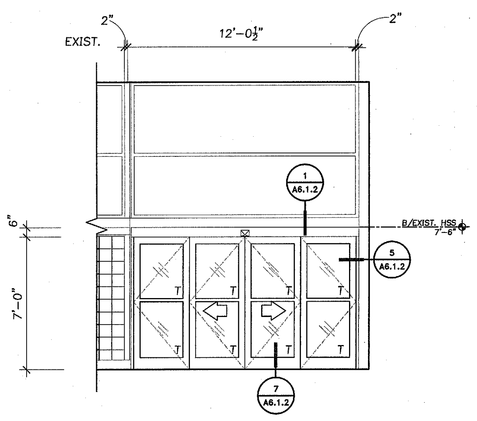
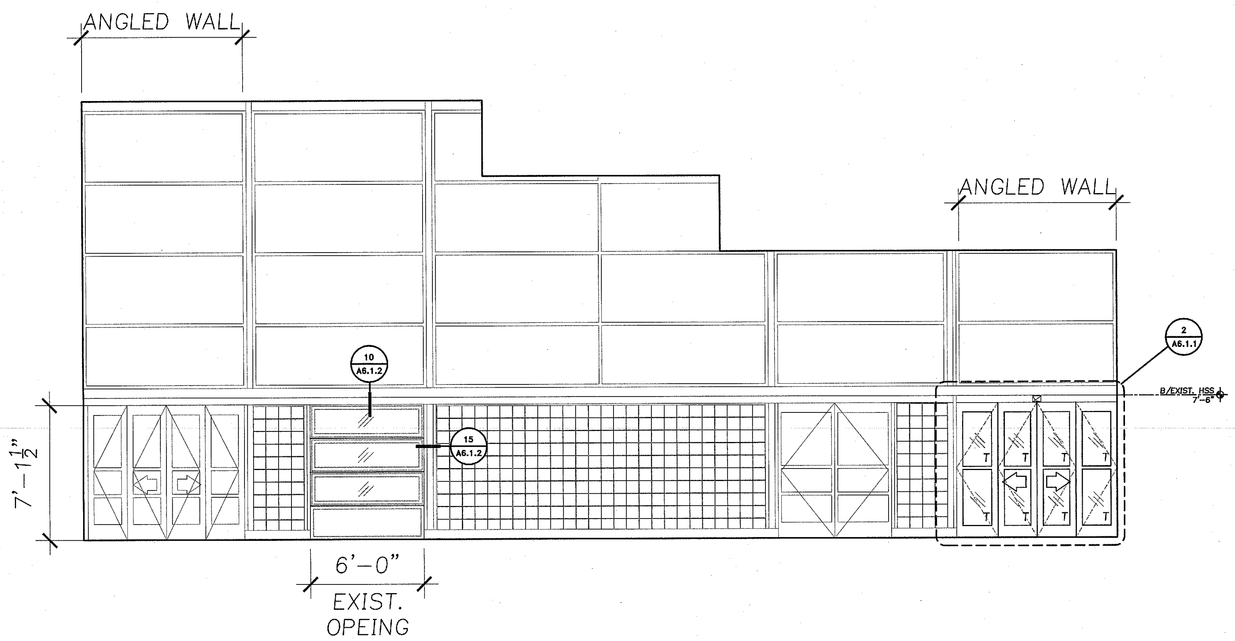


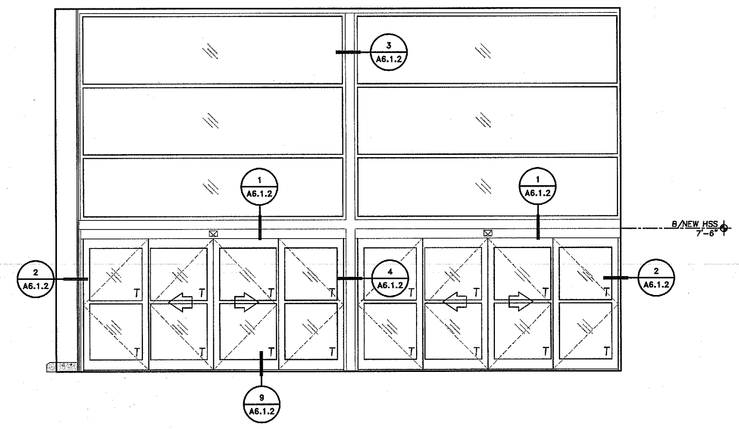
1 A6.1.1 **HOME ENTRY STOREFRONT ELEVATIONS**
1/4"=1'-0"



2 A6.1.1 **HOME ENTRY STOREFRONT ELEVATIONS**
1/4"=1'-0"



3 A6.1.1 **HOME ENTRY STOREFRONT ELEVATIONS**
1/4"=1'-0"



4 A6.1.1 **FOOD ENTRY STOREFRONT ELEVATIONS**
1/4"=1'-0"

GENERAL NOTES

A. FIELD VERIFY AND CONFIRM ALL EXISTING OPENING DIMENSIONS AND FLOOR RECESS CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO START OF WORK.
B. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
C. ALL EXPOSED TUBE STEEL TO BE WRAPPED WITH ALUMINUM BREAK METAL TO MATCH STOREFRONT.
D. ALL DOOR GLAZING TO BE TEMPERED
E. ALL NEW STOREFRONT TO MATCH EXISTING STYLE AND CONFIGURATION.
F. PATCH AND REPAIR WORK DAMAGED DURING CONSTRUCTION TO NEW CONDITION.
G. DETAIL REFERENCES SHOULD BE APPLIED AT ALL INSTANCES WHERE SAME CONDITION OCCURS.
H. ALL ELEVATIONS ARE RELATIVE TO 0'-0" FINISH FLOOR.

KEYNOTES

DIVISION 10 SPECIALTIES

10 001 METAL POST BRUSHED STAINLESS STEEL TUBING, REFER TO SPECIFICATION SECTION 10 82 33

LEGEND

EXISTING		NEW	
	CONCRETE CURB TO REMAIN		NEW SECTION OF CONCRETE CURB TO MATCH EXISTING DIMENSIONS AND FINISH PER ASD
			NEW GLAZING
		T	GLAZING TYPE C – CLEAR TEMPERED FLOAT GLASS
		I	GLAZING TYPE J – CLEAR 1" INSULATED FLOAT GLASS
		I1	GLAZING TYPE J – CLEAR ⅝" INSULATED FLOAT GLASS
		N1	GLAZING TYPE A – CLEAR FLOAT GLASS
		IT	GLAZING TYPE K – CLEAR TEMPERED 1" INSULATED FLOAT GLASS
		IT1	GLAZING TYPE K – CLEAR TEMPERED ⅝" INSULATED FLOAT GLASS
		IT2	GLAZING TYPE K – CLEAR TEMPERED ⅞" INSULATED FLOAT GLASS
		IT3	GLAZING TYPE C – CLEAR ½" TEMPERED FLOAT GLASS, SANDBLASTED
		IT4	GLAZING TYPE O – CLEAR TEMPERED 1" INSULATED FLOAT GLASS
		IT5	¾" FROSTED ACRYLIC PANEL

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72/11 REGISTERED ARCHITECT
TERRY ALLEN KRAUSE
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REVISIONS:

REVISION DELTA	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE

SHEET TITLE:
ENTRY STOREFRONT ELEVATIONS + INTERIOR WINDOW TYPES

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: MJG

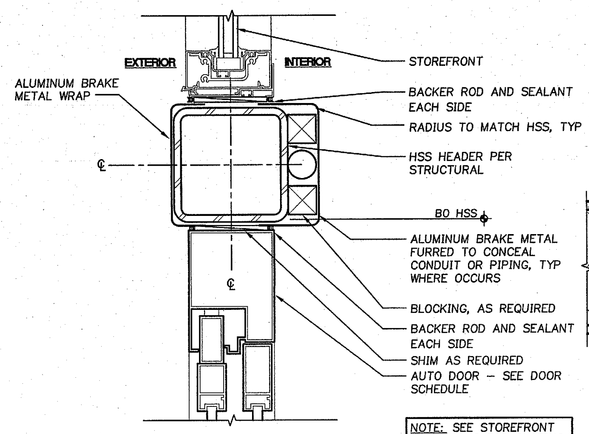
CHECKED BY: TAK

SHEET
A6.1.1

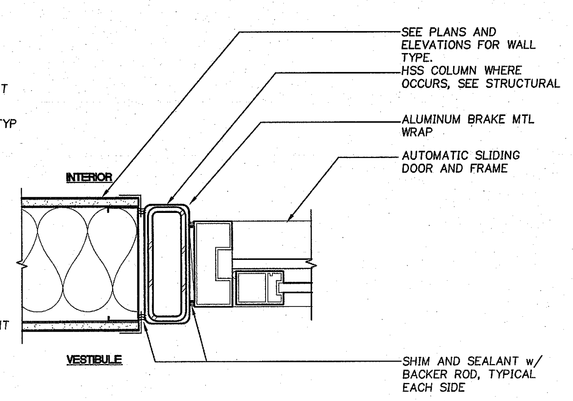
216467

JOB NO. 215034600.00

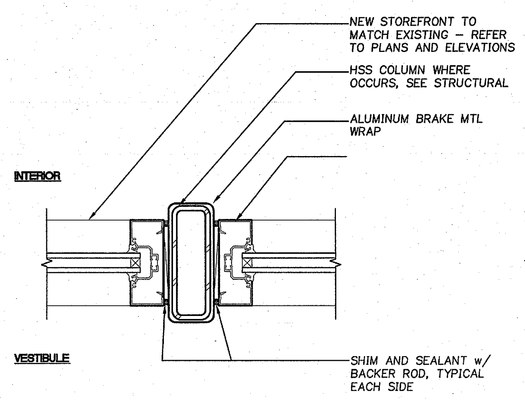
PERMIT SET: DECEMBER 21, 2015



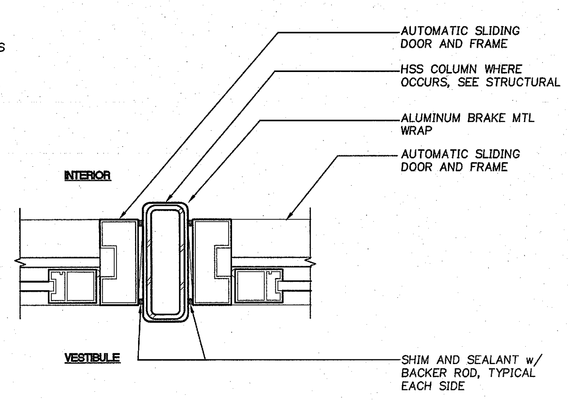
1 A6.1.2 **HEAD AT AUTO DOORS** — WITH NEW HSS HEADER — 3"=1'-0" — HEAD1



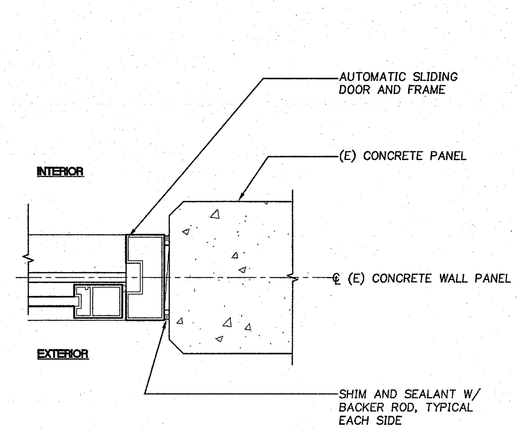
2 A6.1.2 **JAMB AT AUTO DOORS** — HSS COLUMN & STOREFRONT — 3"=1'-0" — JAMB7



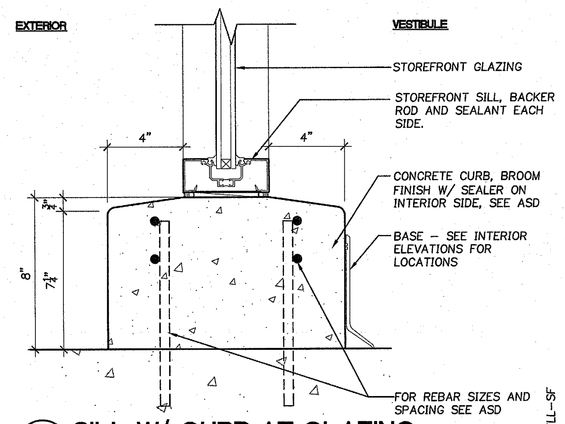
3 A6.1.2 **JAMB AT STOREFREFRONT** — HSS COLUMN & STOREFRONT — 3"=1'-0" — JAMB6



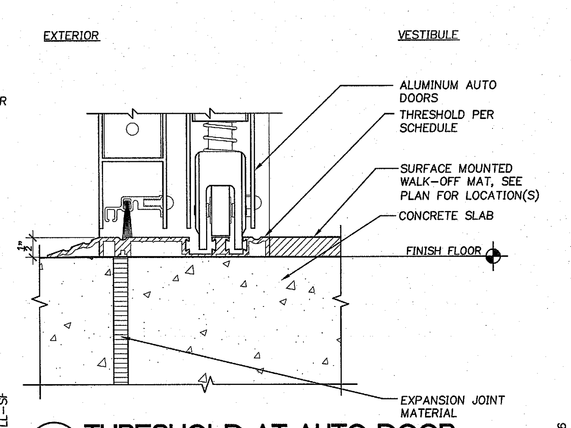
4 A6.1.2 **JAMB AT AUTO DOORS** — HSS COLUMN & STOREFRONT — 3"=1'-0" — JAMB5



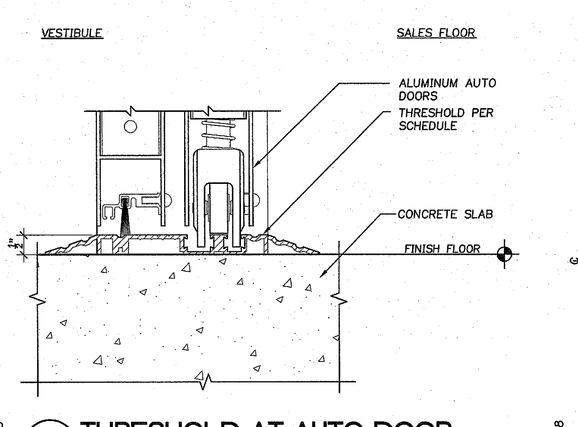
5 A6.1.2 **JAMB AT AUTO DOORS** — 3"=1'-0" — JAMB4



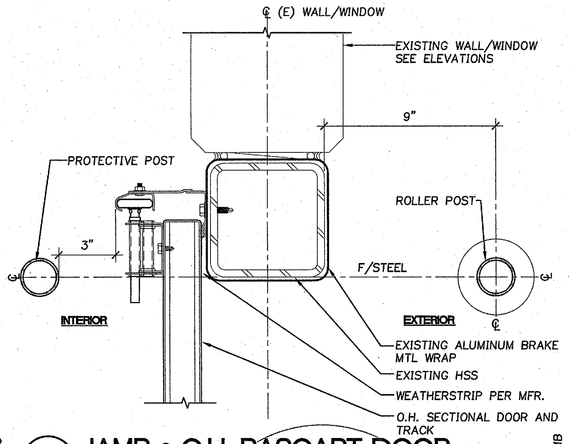
6 A6.1.2 **SILL W/ CURB AT GLAZING** — 3"=1'-0" — CURB SILL-SF



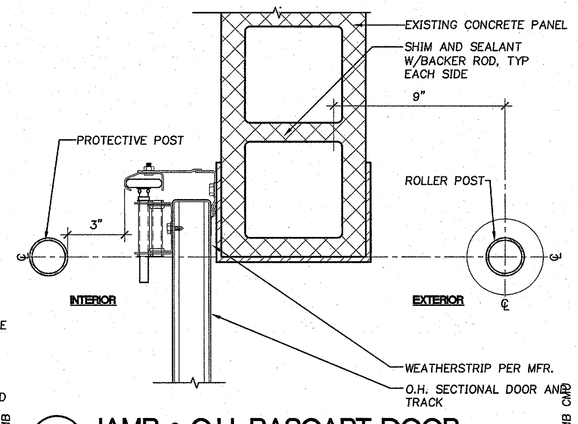
7 A6.1.2 **THRESHOLD AT AUTO DOOR** — @ EXTERIOR CONDITION — 6"=1'-0" — THRESH6



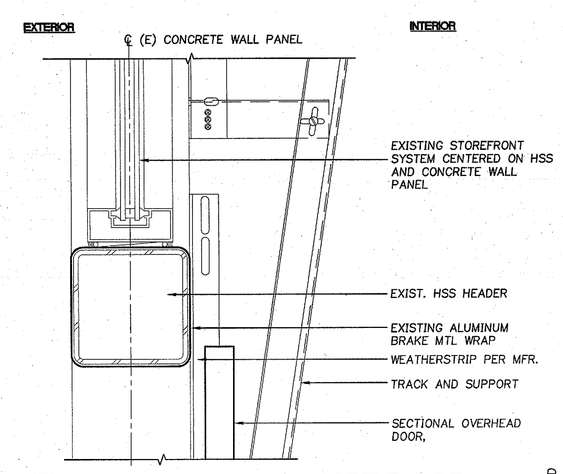
8 A6.1.2 **THRESHOLD AT AUTO DOOR** — @ INTERIOR CONDITION — 6"=1'-0" — THRESH8



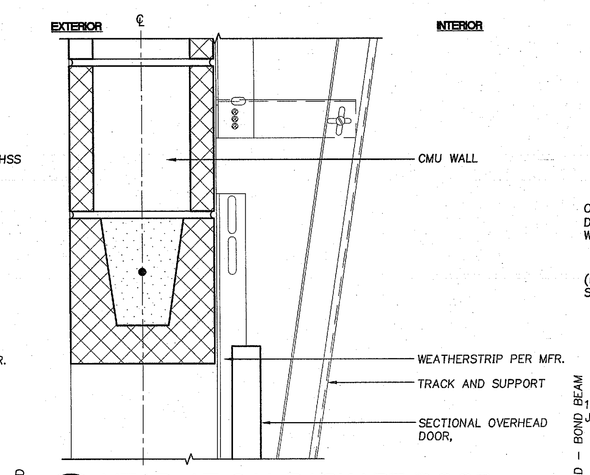
9 A6.1.2 **JAMB @ O.H. BASCART DOOR** — AT EXISTING STRUCTURE — 3"=1'-0" — OH-JAMB



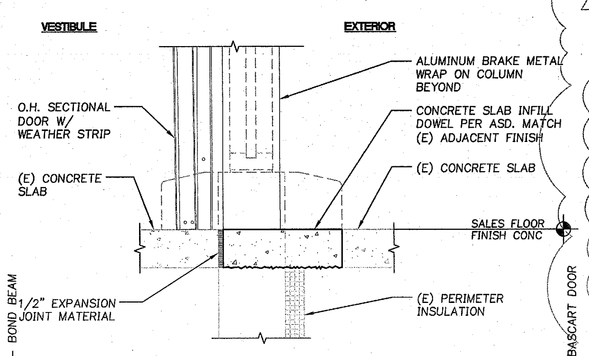
10 A6.1.2 **JAMB @ O.H. BASCART DOOR** — 3"=1'-0" — OH-JAMB CMU



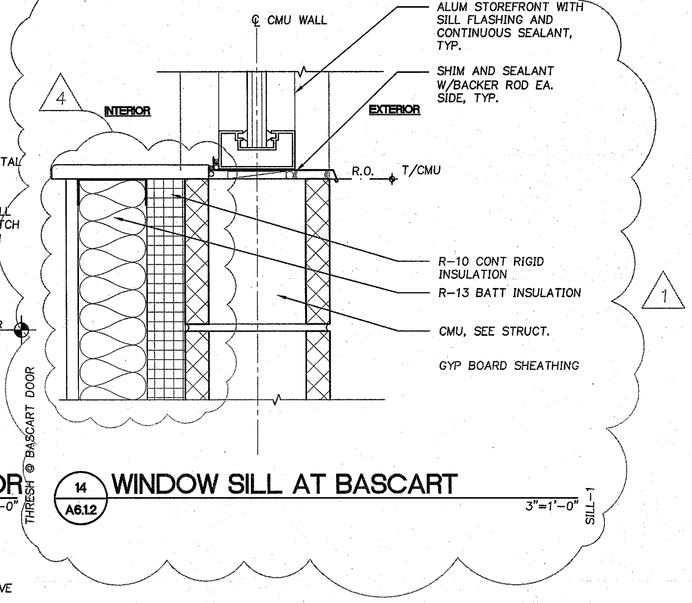
11 A6.1.2 **HEAD AT O.H. BASKART DOOR** — 3"=1'-0" — SEC HEAD – BOND BEAM



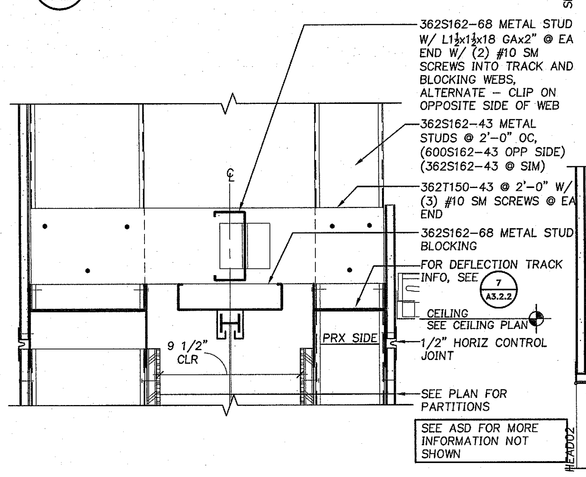
12 A6.1.2 **HEAD AT O.H. BASKART DOOR** — 3"=1'-0" — SEC HEAD



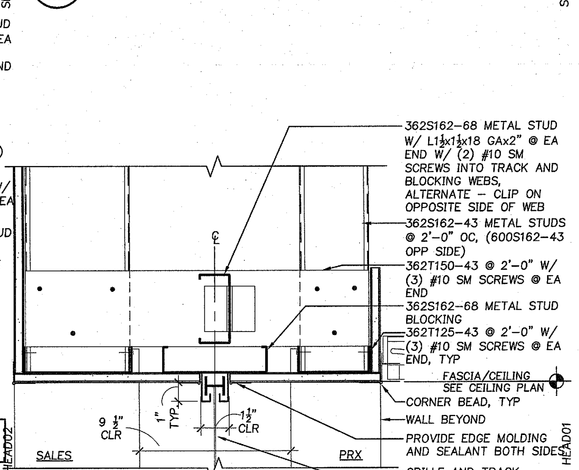
13 A6.1.2 **THRESHOLD AT OH BASCART DOOR** — 1 1/2"=1'-0" — THRESH @ BASCART DOOR



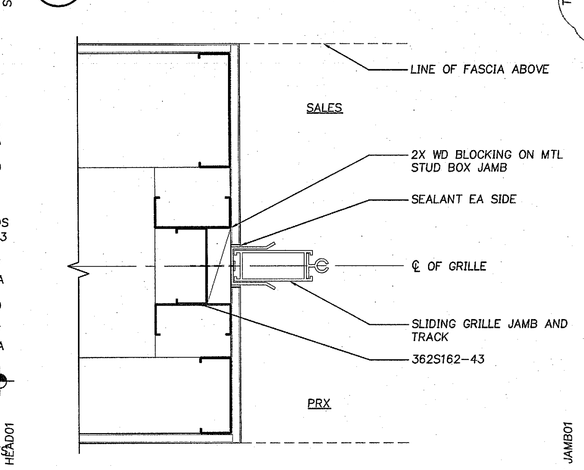
14 A6.1.2 **WINDOW SILL AT BASCART** — 3"=1'-0" — SILL-1



16 A6.1.2 **HEAD AT PRX GRILLE** — 3"=1'-0" — PRX GRILLE HEAD02



17 A6.1.2 **HEAD AT PRX GRILLE (MAIN SPAN)** — 3"=1'-0" — PRX GRILLE HEAD01



18 A6.1.2 **JAMB AT PRX GRILLE** — 3"=1'-0" — PRX GRILLE JAMB01

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Fred Meyer

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REVISION DELTA NUMBER	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE
1	Permit Res 2.12.16	
2	Bid Set 2.15.16	
3	Addendum 1 3.2.16	
4	Permit Res 3.17.16	

SHEET TITLE:
DOOR AND WINDOW DETAILS

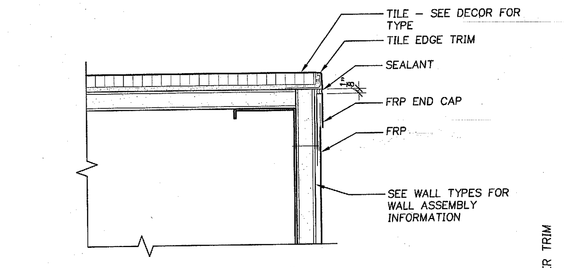
DRAWN BY: MJG

CHECKED BY: TAK

SHEET
A6.1.2

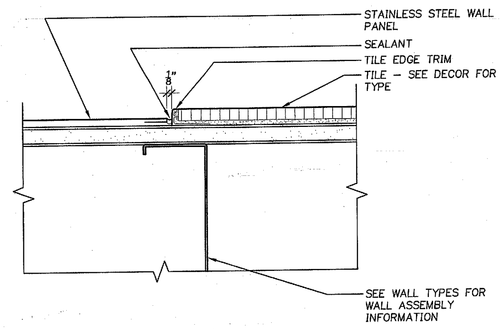
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015



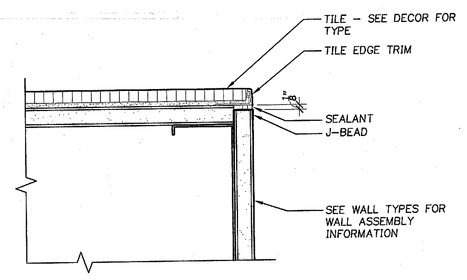
1 A6.2 **TILE/FRP TRANSITION** 6"=1'-0"

TILE FRP CORNER TRIM



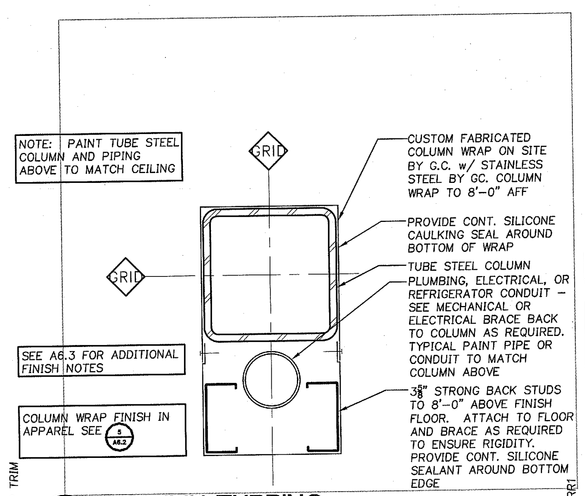
2 A6.2 **TILE/SST TRANSITION** 6"=1'-0"

TILE SSTTRIM



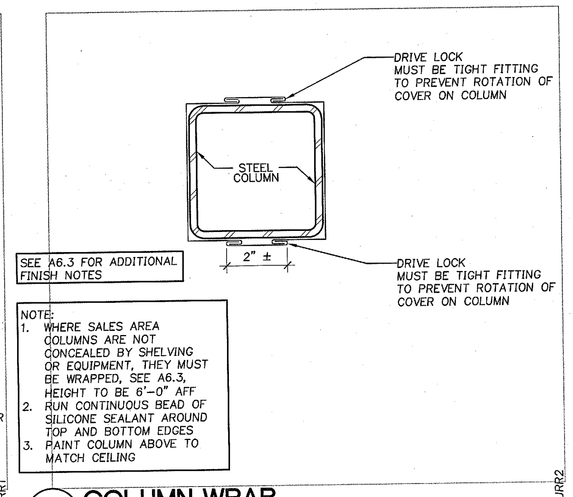
3 A6.2 **TILE/GYP TRANSITION** 6"=1'-0"

TILE GYP TRIM



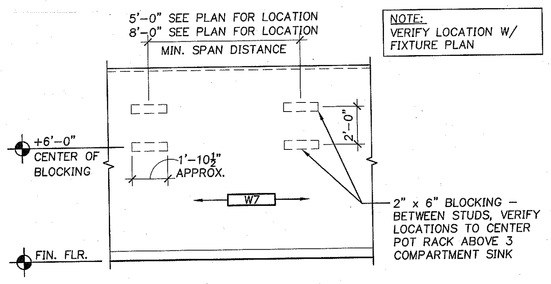
4 A6.2 **COLUMN FURRING** AT PLUMBING, ELECTRICAL, OR REFRIGERATOR CONDUITS 3"=1'-0"

COL FURR1



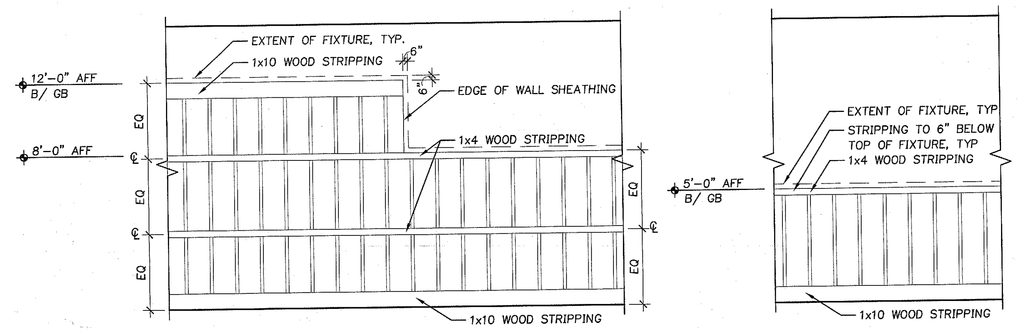
5 A6.2 **COLUMN WRAP** AT APPAREL COLUMNS 3"=1'-0"

COL FURR2



6 A6.2 **POT RACK BLOCK** 1/4"=1'-0"

POT RACK



7 A6.2 **TYPICAL FIXTURE STRIPPING** 1/8"=1'-0"

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REVISION DELTA	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE

SHEET TITLE:
INTERIOR DETAILS

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: RDM

CHECKED BY: TAK

SHEET

A6.2

JOB NO. **215034600.00**

PERMIT SET: DECEMBER 21, 2015

INTERIOR FINISH SCHEDULE

ROOM INFO		FINISH				BASE	WAINSCOT	REMARKS	ROOM INFO	
NO	NAME	NORTH	SOUTH	EAST	WEST				NO	NAME
100	ALE VESTIBULE	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	5	100	ALE VESTIBULE
101	FSR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	–	–	101	FSR
102	APPAREL	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	102	APPAREL
103	ELEVATOR EQUIPMENT	PAINT	PAINT	PAINT	PAINT	–	–	–	103	ELEVATOR EQUIPMENT
104	ALE STOCK	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	104	ALE STOCK
105	ELECTRICAL ROOM	PAINT	PAINT	PAINT	PAINT	–	–	–	105	ELECTRICAL ROOM
106	HOM VESTIBULE	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	5	106	HOM VESTIBULE
107	OAS GARDEN	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	107	OAS GARDEN
108	HOM SALES	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	108	HOM SALES
109	HOM STOCKROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	109	HOM STOCKROOM
110	ELECTRICAL ROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	110	ELECTRICAL ROOM
111	GROCERY FREEZER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	111	GROCERY FREEZER
112	DAIRY COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	112	DAIRY COOLER
113	ELECTRICAL ROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	113	ELECTRICAL ROOM
114	HANGING DELI COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	114	HANGING DELI COOLER
115	MEAT COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	115	MEAT COOLER
116	MEAT PREP	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	116	MEAT PREP
117	FOD STOCK	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	117	FOD STOCK
118	MEAT FREEZER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	118	MEAT FREEZER
119	SEAFOOD COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	119	SEAFOOD COOLER
120	MEAT COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	120	MEAT COOLER
121	UNISEX RESTROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	121	UNISEX RESTROOM
122	BSM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	122	BSM
123	SEAFOOD PREP	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	123	SEAFOOD PREP
124	MEAT/SEAFOOD SALES	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	124	MEAT/SEAFOOD SALES
125	BAKERY FREEZER	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	–	–	125	BAKERY FREEZER
126	FOD SALES	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	126	FOD SALES
127	BAKERY PREP	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	127	BAKERY PREP
128	PRODUCE PREP	PAINT	PAINT	PAINT	PAINT	–	–	–	128	PRODUCE PREP
129	FLORAL COOLER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	–	–	–	129	FLORAL COOLER
130	DELI	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	130	DELI
131	PRODUCE COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	131	PRODUCE COOLER
132	DELI COOLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	132	DELI COOLER
133	DELI PREP	PAINT	PAINT	PAINT	PAINT	–	–	–	133	DELI PREP
134	DELI COOLER	MANUFACTURER	EXISTING	MANUFACTURER	EXISTING	–	–	–	134	DELI COOLER
135	STORAGE	PAINT	PAINT	PAINT	PAINT	–	–	–	135	STORAGE
136	UNISEX RESTROOM	PAINT	PAINT	PAINT	PAINT	–	–	–	136	UNISEX RESTROOM
137	PRX WORK	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	137	PRX WORK
138	PRX WAITING	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	138	PRX WAITING
139	CONSULT	PAINT	PAINT	PAINT	PAINT	–	–	–	139	CONSULT
140	STARBUCKS	–	–	–	–	–	–	1	140	STARBUCKS
141	FLORAL KIOSK	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	141	FLORAL KIOSK
142	FOD VESTIBULE	PER DECOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	142	FOD VESTIBULE
143	JEWELRY	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	143	JEWELRY
144	JEWELRY STOCK	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	144	JEWELRY STOCK
145	LOT SWEEP	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	145	LOT SWEEP
146	FM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	146	FM
147	PRICE CHANGE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	147	PRICE CHANGE
148	CF	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	148	CF
149	TELLER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	149	TELLER
150	EXIT CORRIDOR	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	–	–	150	EXIT CORRIDOR
151	WOMEN'S RESTROOM	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	–	–	151	WOMEN'S RESTROOM
152	MEN'S RESTROOM	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	–	–	152	MEN'S RESTROOM
153	BSM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	153	BSM
154	PLAYLAND	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	154	PLAYLAND
155	BANK TENANT	NO WORK	NO WORK	NO WORK	NO WORK	–	–	–	155	BANK TENANT
156	EXIT CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	156	EXIT CORRIDOR
157	BSM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	157	BSM
158	EXIT CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	158	EXIT CORRIDOR
159	LIQUOR	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	159	LIQUOR
160	CUSTOMER SERVICE	PER DECOR	PER DECOR	PER DECOR	PER DECOR	–	–	–	160	CUSTOMER SERVICE
161	EXIT CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	161	EXIT CORRIDOR
200	STORAGE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	200	STORAGE
201	MANAGER	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	201	MANAGER
202	EXIT CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	202	EXIT CORRIDOR
203	MEZZANINE ACCESS	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	203	MEZZANINE ACCESS
204	ALE STOCK	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	204	ALE STOCK
205	STORAGE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	205	STORAGE
206	MEZZANINE ACCESS	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	206	MEZZANINE ACCESS
207	EXIT CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	207	EXIT CORRIDOR
208	TRAINING	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	208	TRAINING
209	NON-USED SPACE	PAINT	EXISTING	EXISTING	PAINT	EXISTING	–	–	209	NON-USED SPACE
210	LUNCHROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	210	LUNCHROOM
211	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	211	OFFICE
212	LPM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	212	LPM
213	CCTV	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	213	CCTV
214	DIRECTOR	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	214	DIRECTOR
215	TELE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	215	TELE
216	ELECTRICAL ROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	216	ELECTRICAL ROOM
217	MEZZANINE ACCESS	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	217	MEZZANINE ACCESS
218	STORAGE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	218	STORAGE
219	MEN'S RESTROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	6	219	MEN'S RESTROOM
220	WOMEN'S RESTROOM	EXISTING	EXISTING	EXISTING	EXISTING	–	–	6	220	WOMEN'S RESTROOM
221	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	221	OFFICE
222	MEZZANINE ACCESS	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	222	MEZZANINE ACCESS
223	MECHANICAL MEZZANINE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	223	MECHANICAL MEZZANINE
224	STORE MEZZANINE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	224	STORE MEZZANINE
225	STORE MEZZANINE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	225	STORE MEZZANINE
226	MECHANICAL MEZZANINE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	226	MECHANICAL MEZZANINE
227	MECHANICAL MEZZANINE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	227	MECHANICAL MEZZANINE
228	MECHANICAL MEZZANINE	EXISTING	EXISTING	EXISTING	EXISTING	–	–	–	228	MECHANICAL MEZZANINE

SHEATHING SCHEDULE

SYMBOL	DESCRIPTION
W0	(E) EXISTING SHEATHING TO REMAIN
W1	½" GYPSUM BOARD (⅝" TYPE "X" AT FIRE-RATED ASSEMBLIES)
W2	½" MOISTURE RESISTIVE GYP BD (⅝" WATER RESISTIVE AT FIRE-RATED ASSEMBLIES)
W3	⅝" EXTERIOR GLASS-MAT GYPSUM SHEATHING
W4	½" PLYWOOD
W5	COOLER / FREEZER BOX PANEL (PRE-MANUFACTURED, N.I.C.)
W6	½" CEMENTITIOUS BACKER BOARD TO 4'-0" AFF
W7	¾" PLYWOOD
W8	½" ORIENTED STRAND BOARD (OSB)
W9	⅝" INTERIOR GLASS-MAT GYPSUM SHEATHING

GENERAL FINISH SCHEDULE NOTES

A. REFER TO DECOR AND SPECIFICATION SECTIONS 01 61 12 AND 01 61 13 – 09 FOR COLOR AND FINISH INFORMATION NOT SPECIFICALLY NOTED HERE.

B. W2 REQUIRED AT ALL (N) SINKS, DRINKING FOUNTAINS AND OTHER WATER FIXTURES.

C. PAINT ALL ELECTRICAL PANELS TO MATCH ADJACENT WALLS.

D. PAINT ALL REFRIGERATION, ELECTRICAL OR OTHER DROPS THAT ARE EXPOSED TO VIEW FROM THE SALES FLOOR (INCLUDING CEILING AND FIXTURE MOUNTED LINES) TO MATCH CEILING. COORDINATE WITH DECOR PACKAGE.

E. DO NOT PAINT LOW VOLTAGE WIRING, ELECTRIC EQUIPMENT, AND SPEAKERS.

F. FOR WALL TO BASE TRANSITIONS SEE ASD.

G. SEE SPECIFICATIONS FOR FINISH AND MATERIAL INFORMATION.

H. ALL COOLER/FREEZERS EXPOSED TO PUBLIC TO BE ELECTROSTATICALLY PAINTED.

I. TILE COVE BASE IN FOOD SERVICE DEPARTMENTS, IN AREAS RECEIVING NEW TILE FINISH – REFER TO DECOR, TO BE QUARRY TILE COVE BASE PER ASD AND AS SPECIFIED IN SPECIFICATIONS TO BE CT-021.

J. WALL PAINT COLOR IN NON-PUBLIC SPACES TO BE PT-005.

K. ELECTROSTATICALLY PAINT (E) & RELOCATED REFRIGERATION CASES TO MATCH NEW CASES.

GENERAL COLUMN FINISH NOTES

1. COLUMNS NOT LOCATED ON GRID LINES WITHIN THE SALES FLOOR TO RECEIVE THE SAME FINISH AS ADJACENT COLUMNS IN THE SAME DEPARTMENT, TYPICAL UNO.
2. COLUMNS WITHIN SALES FLOOR – PAINT ABOVE COLUMN WRAP TO MATCH ADJACENT CEILING FINISH.
3. COLUMNS WITHIN FIXTURE – PAINT COLUMN FULL HEIGHT ABOVE FIXTURE TO MATCH ADJACENT CEILING FINISH.
4. REFERENCE ASD'S FOR ADDITIONAL FINISH INFORMATION.
5. CONTRACTOR TO PROVIDE (10) NEW STAINLESS STEEL COLUMN WRAPS, PLACED PER KPM DISCRETION.
6. FOR COLUMN WRAP INFORMATION SEE ASD(S) AND (4 / A6.2) (5 / A6.2) AS APPLICABLE
7. FOR FURRING AT COLUMNS WITH PLUMBING/ELECTRICAL, SEE (4 / A6.2)
8. (E) STAINLESS STEEL COLUMN WRAP TO REMAIN UNLESS NOTED OTHERWISE
9. REFER TO JEWELRY PLANS ON SHEET A4.2 FOR COLUMN WRAP FINISH IN JEWELRY

REMARKS

1. FINISH SELECTION BY STARBUCKS (CD1 / I5.0.1)
2. PROVIDE CARTGUARD PER DECOR (CD1 / I5.0.1) PROVIDE 6" HIGH CONTINUOUS STEEL BACKING PLATE, BEHIND WALL FINISH, CENTERED ON CARTGUARD
3. FOR WAINSCOT AND BASE MATCH DECOR (CD1 / I5.0.1)
4. FRP TO 48' AFF ALL WALLS
5. TOUCH UP CURB WITH NEW BLACK PAINT
6. PATCH & REPAIR FINISHES AFTER INSTALLATION OF NEW FURNITURE/EQUIPMENT

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7301 REGISTERED ARCHITECT
TERRY ALLEN KRAUSE
STATE OF WASHINGTON

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REVISIONS:

REVISION DELTA	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE

SHEET TITLE:
FINISH SCHEDULE

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

215154.17

DRAWN BY: RDM

CHECKED BY: TAK

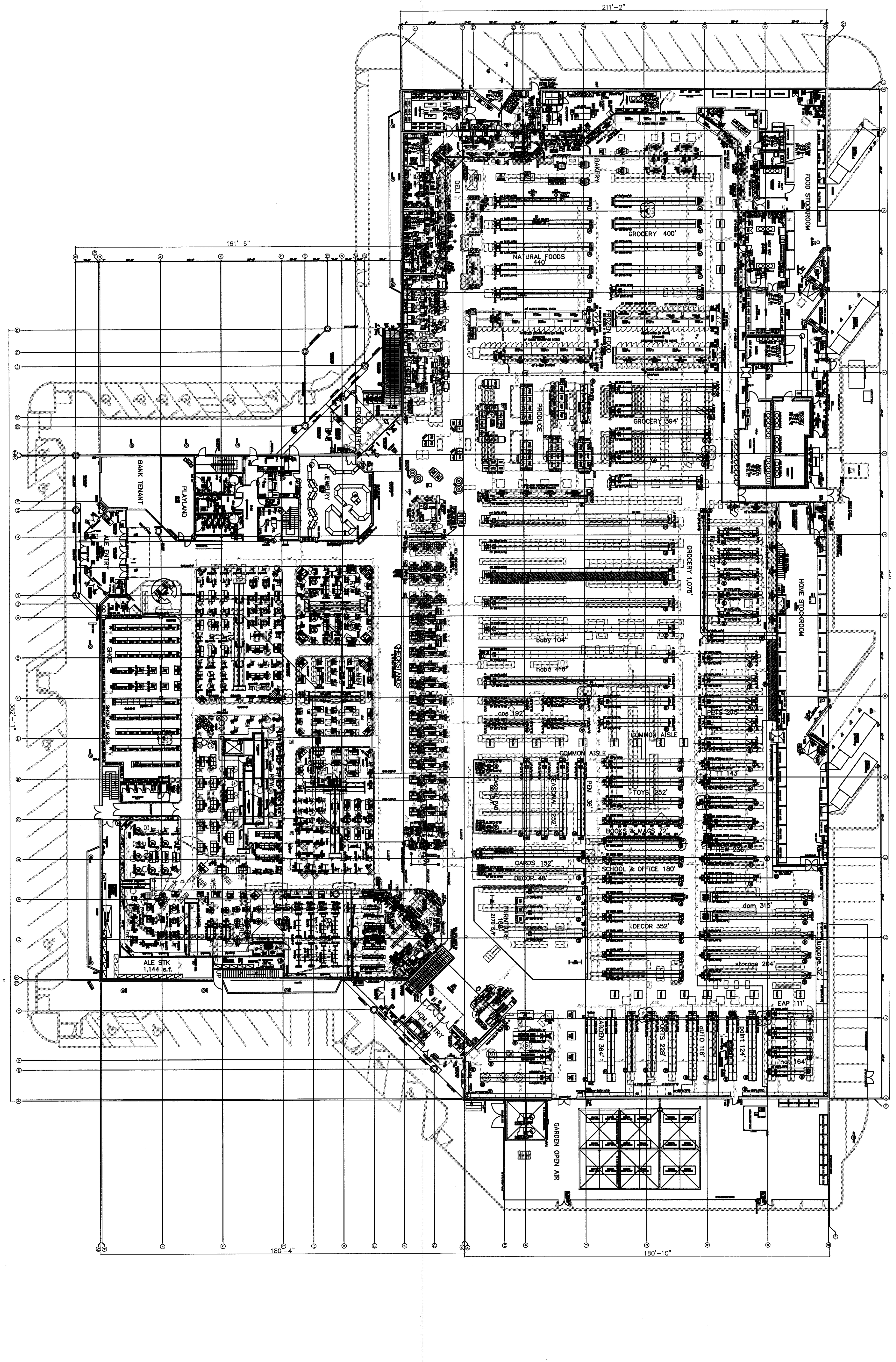
SHEET
A6.3

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

1 / i1.1 MASTER FIXTURE PLAN (REFERENCE ONLY)

1/20"=1'-0"



2154547

RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

TOTAL SHELVING	
SALES AREA	
BASE STORE	
MEZZANINE	
DOCK / UTILITY	

12/21/2015

i1.1

172-i1.1.dwg

REMODEL

FM-172

KENT, WA

Kroger

GENERAL OFFICE FACILITY ENGINEERING

Fred Meyer

BANNER DECOR

3800 S.E. 22ND AVENUE
PORTLAND , OR

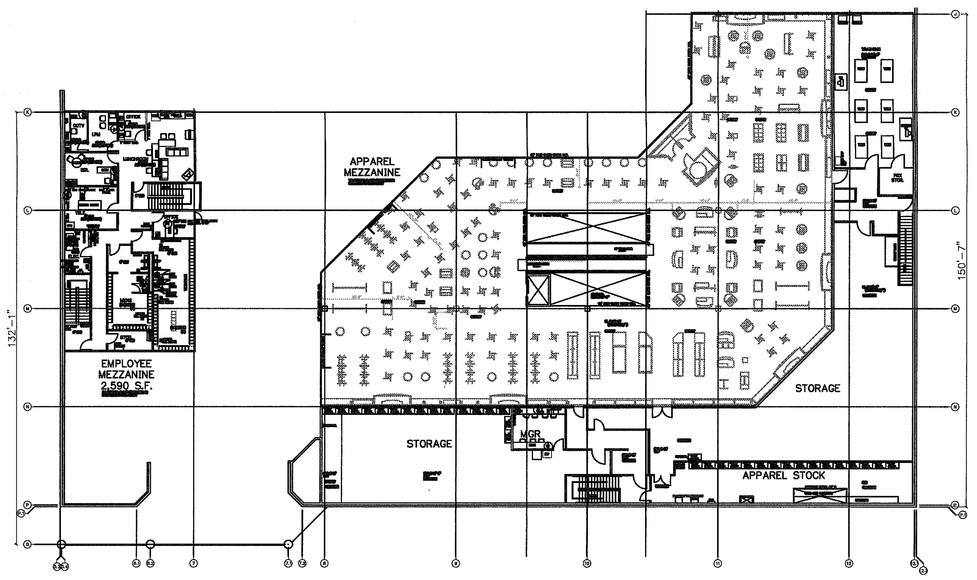
PHONE: (503) 797-3507 FAX :(503) 797-3539

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED UNLESS NOTED OTHERWISE. THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLAN DATED AND KROGER PLANS DATED . ALL WORK MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER C THE DESIGN OF THE BUILDING TO CONFORM TO ALL APPLICABLE LAWS, CODES, REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION AUTHORITIES HAV JURISDICTION IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNE



1 / M2 MASTER MEZZANINE FIXTURE PLAN (REFERENCE ONLY)

1/20"=1'-0"

This file was Created on 11/19/2015 @ 9:43:16 AM

ACCESSORIES

4	ACS14	NEW	PURSE T-UNIT
26	ACS14	RELO	PURSE T-UNIT
3	ACS8	RELO	4-WAY SOCK DISPLAYER
1	ACS5	NEW	JEWELRY TOWER
5	ACS5	RELO	JEWELRY TOWER
4	ACS969	RELO	32" ROUND ACS TABLE

ADMINISTRATIVE

1	ASLD	NEW	CUSTOMER INFORMATION DESK (LEFT HAND PROTO 3)
6	ALU48G	NEW	USCAN GENESIS W/ 4 BAG STAND ON LEFT
2	ARC966GB	EXIST	RH CUST. UNLOAD (96" FX/60" RD)
19	ARC966GB	NEW	RH CUST. UNLOAD (96" FX/60" RD)
6	ASU48G	NEW	USCAN GENESIS W/ 4 BAG STAND ON RIGHT
2	AUAS	NEW	ENTERPRISE SELF-CHECKOUT ATTENDANT STATION
2	C30AS	NEW	POS EQUIPMENT FOR SCO ATTENDANT STATION
2	C3825S	EXIST	SCANNER/SCALE (NO DISPLAY)
19	C3825S	NEW	SCANNER/SCALE (NO DISPLAY)
2	C3871P	EXIST	THERMAL PRINTER (FOR CHECKSTANDS)
20	C3871P	NEW	THERMAL PRINTER (FOR CHECKSTANDS)
3	C3871S	NEW	TOUCHSCREEN POS (FOR DEN MOUNT)
1	GE181	NEW	WESTERN UNION TERMINAL (VENDOR SUPPLY)
1	GE14	NEW	OFFICE CHAIR
8	GE156	EXIST	EFT PIN PAD & CREDIT CARD READER
10	GE156	NEW	EFT PIN PAD & CREDIT CARD READER
2	GE301	NEW	LASER PRINTER
1	GE36-4	NEW	FILE CABINET (4-DRAWER VERTICAL)
1	GE38	EXIST	POS TERMINAL
29	GE38	NEW	POS TERMINAL
1	GE67	NEW	MONEY ORDER MACHINE (VENDOR SUPPLY)

APPAREL

7	ALE-3665	NEW	4 WAY SLATGRID MERCHANDISER
7	ALE10A	NEW	WINGWALL CORNER FILLS 90 DEGREE .12"SQ
2	ALE11-12	NEW	WINGWALL CORNER FILLS 75 DEGREE 0"
6	ALE12RC	NEW	BIG KIDS SLIMLINE (END)
16	ALE12RO	NEW	BIG KIDS SLIMLINE (INLIND)
39	ALE13	NEW	WINGWALLS - SMALL
8	ALE13	RELO	WINGWALLS - SMALL
1	ALE15A	NEW	DOUBLE REGISTER STAND
4	ALE24B	NEW	ELEMENTS FEATURE TABLE W/ RISER & SLIDING SHELVES
1	ALE29	NEW	NESTED PANEL TABLE
11	ALE3003	NEW	FEATURE TABLE
2	ALE3003	RELO	FEATURE TABLE
3	ALE34	NEW	COSTUMER SHOWN PAIR (SET OF 8)
151	ALE36	RELO	4-WAY SPARGRAVER W/CASTERS
18	ALE38	NEW	36" CIRCLE RACK W/CASTERS
16	ALE38	RELO	36" CIRCLE RACK W/CASTERS
4	ALE39	RELO	36" TRI-ARC W/CASTERS
17	ALE4SL	NEW	LARGE DUAL DISPLAY FIXTURE (CONGD)
5	ALE4SL	RELO	LARGE DUAL DISPLAY FIXTURE (CONGD)
6	ALE47	NEW	GARMENT RACKS
2	ALE48B	NEW	MAIN FLOOR CLOSET (78"H)
3	ALE58A	NEW	FITTING ROOM BENCH (ADA)
1	ALE5E8	NEW	FITTING ROOM OTTOMAN
1	ALE83	NEW	HAT RACKS
1	ALE84	NEW	PUCK DISPLAY TABLE
1	ALE85L	NEW	LIGHTED FITTING ROOM MIRROR (72"H)
9	ALE8SS	NEW	FITTING ROOM MIRROR (48"H)
7	ALE8SS	NEW	FITTING ROOM MIRROR (70"H)
6	ALE96JC	NEW	JUNIORS AND YOUNG MENS SLIMLINE (ENDCAP)
18	ALE96JS	NEW	JUNIORS AND YOUNG MENS SLIMLINE (INLINE)
6	ALE96JE	NEW	ACTIVEWEAR SLIMLINE (ENDCAP)
18	ALE96JS	NEW	ACTIVEWEAR SLIMLINE (INLINE)
3	ALE97	NEW	ACTIVEWEAR NESTING TABLES
2	ALE99F1	RELO	VOLUME TABLE WITH 8 END FRAMES

ARCHIVE

1	MSE18H	NEW	18" EURO SERVICE MEAT CASE
1	MSELEH	NEW	EURO SERVICE MEAT CASE LEFT END PANEL
1	MSERSH	NEW	EURO SERVICE MEAT CASE RIGHT END PANEL

BAKERY

1	B100	NEW	AIR BRUSH W/COMPRESSOR
1	B103C	NEW	ROLL/BAGEL DESTINATION
1	B104H-4	NEW	4 TIER ROLLING BREAD DISPLAY
4	B104BS	NEW	4' BREAD DISPLAY
1	B107C	NEW	SMALL BREAD DESTINATION (CENTER UNIT)
2	B107E	NEW	BREAD DESTINATION (END UNIT)
1	B810	NEW	DELICATED BAKERY TABLE
1	B812	NEW	CAKE PROMO STAND
1	B813	RELO	SINGLE SERVE DESSERT TABLE
1	B824	NEW	MOBILE CAKE KIT CART
4	B825D	NEW	BAKERY NESTING TABLE SET
1	B899-4	NEW	CAKE MENU BOARD (4 PANEL)
1	B941	NEW	SERVICE SCALE/UPC PRINTER (TOLEDO)
1	B99CBB	NEW	CAKE IMAGING MACHINE
1	B99CC	NEW	CAKE DECORATING WALL CABINET
1	B9PTOCS	NEW	10" CAKE DECORATING PREP TABLE
1	BUSCS	NEW	4'-9" UPRIGHT DONUT/PASTRY CASE W/DOORS
1	BULECS	NEW	BAKERY WALL CASE LEFT END
1	BURECS	NEW	BAKERY WALL CASE RIGHT END
1	BGENICSH	NEW	6' NARROW GLASS DOOR ICE CREAM TEMP BAKERY (3 DOORS)
1	BGNLEDH	NEW	NARROW GLASS DOOR BAKERY LEFT END PANEL
1	BGNRNDH	NEW	NARROW GLASS DOOR BAKERY RIGHT END PANEL
2	BKSLSH	NEW	5' KOLP BAKERY CASE
1	BKSLS4F	NEW	4' KOLP BAKERY CASE
2	BKSLSHP	NEW	KOLP BAKERY CASE LEFT END
2	BKSLRHP	NEW	KOLP BAKERY CASE RIGHT END
1	BSL6P	NEW	6' SERVICE BAKERY CASE
1	BSLEHP	NEW	SERVICE BAKERY CASE LEFT END
1	BSRDHP	NEW	SERVICE BAKERY CASE RIGHT END

BEVERAGE

7	BVSD10HP	NEW	10' FIVE-DECK BEVERAGE CASE
1	BVSDLCHEHP	NEW	FIVE-DECK BEVERAGE LEFT CONTOURED MIRRORED END
1	BVSDLSHEHP	NEW	FIVE-DECK BEVERAGE LEFT SLAB MIRRORED END
2	BVSDRSHEHP	NEW	FIVE-DECK BEVERAGE RIGHT SLAB MIRRORED END

CHILDRENS

6	CHL1	RELO	CHILDRENS APPAREL FIXTURE
4	CHL2	RELO	SLATGRID FIXTURE 69"H
4	CHL37	RELO	30" CIRCLE RACK W/CASTERS
1	CHL42V	NEW	CASTERS H=UNIT (VENDOR SUPPLY)
1	CHL44	NEW	ENERGIE TABLE (VENDOR SUPPLY)
3	CHL44	RELO	ENERGIE TABLE (VENDOR SUPPLY)
6	CHL45	RELO	SMALL DUAL DISPLAYER (WHITE)
4	CHL6C	NEW	SLIMLINE UNIT END PANEL
8	CHL6	NEW	SLIMLINE UNIT FIXED - WHITE (BASICS)
4	CHL6E	NEW	SLIMLINE UNIT END PANEL
8	CHL7	NEW	SLIMLINE UNIT ADJUSTABLE - WHITE (LITTLE KIDS)

CONSTRUCTION

2	GE187	EXIST	SET OF DOCK SEALS
2	GE188	EXIST	GALVANIZED METAL HOOD W/18" PROJECTION
2	GE34C	NEW	UTILITY CABINET FOR EXHAUST HOOD
1	GE34G-16	NEW	16' X 5' HOOD (SEE HVAC PLAN FOR ORDERING INFO)
1	GE34G-4	NEW	4' X 5' HOOD (SEE HVAC PLAN FOR ORDERING INFO)
3	GE43	NEW	DOCK DOOR PROTECTOR
1	PLC-1S	NEW	1 BOWL COUNTERTOP SINK (CONTRACTOR SUPPLY)
2	PLC-2S	NEW	2 BOWL COUNTERTOP SINK (CONTRACTOR SUPPLY)
1	PLTLFH	NEW	ADA TOILET (CONTRACTOR SUPPLY)

DELI-CHEESE

1	B115E	NEW	ENERGY EFFICIENT WRAPPER (TABLE TOP)
1	B154SSC	NEW	CART FOR SINGLE CONVEYOR TOASTER OVEN
1	B154SW	NEW	SINGLE STACK CONVEYOR TOASTER OVEN FOR SANDWICH ONLY
2	B175S-208	NEW	SINGLE COMBI CHICKEN OVEN AND STAND 208V
1	B16E	NEW	SANDWICH TOASTER OVEN
1	B183	NEW	SALES AREA MICROWAVE
1	B808	NEW	DELI TRASH CART
1	B835	NEW	DELI BUDDY SLICER STAND WITH SCALE SHELF
9	B83T	NEW	SERVICE SCALE/UPC PRINTER (TOLEDO)
1	B854B	NEW	OVEN ROASTED CHICKEN UNLOAD CART
1	B854	RELO	CHICKEN LANDING TABLE
1	B859B	NEW	COMPLETE CHICKEN TENDERS BREADING CART
1	B85	RELO	AUTOMATIC SLICER
1	B861	RELO	FRYER OIL TRANSFER SYSTEM
2	B863P	NEW	ICED TEA DISPENSER (MARROW)
1	B863B	NEW	ICED TEA BREWER (DUAL DILUTION)
3	B86	NEW	MANUAL SLICER
1	BF9PKC-3	NEW	9' MARKEN GLASS DOOR COLD (3 PANEL)
1	BF9PPA-2	NEW	PAN ASIAN MENU BOARD (2 PANEL)
1	BF9PPH-2	NEW	PANDA INN MENU BOARD (2 PANEL)
1	B90493-2	NEW	SNACK DESTINATION
1	B9188C	NEW	DELI CUP DISPENSER
1	B9248-1	NEW	B.I.B. KIT FOR 8 HEAD CARB BEVERAGE
1	B9259	NEW	CONVECTION WARMER
2	B9408	NEW	HIGH VOLUME PRESSURE FRYER (W/ CONTROLS)
1	B941-42	NEW	42" INLINE WALL REGISTER COUNTER (RIGHT HAND)
1	B941-S	NEW	DFT LEFT BEVERAGE COUNTER
9	B7-3630	NEW	24" X 30" TABLE
1	B7-3636	NEW	36" X 36" TABLE
1	B7-4896	NEW	48" ROUND TABLE (ADA)
2	B778	NEW	RICE COOKER
2	B7-3078H	NEW	30" X 78" HIGH PROFILE UPSCALE COMMUNITY TABLE
10	B78C	NEW	UPSCALE CHAIR
9	B78S	NEW	UPSCALE BAR STOOL
32	B79	NEW	LINEAR FEET OF BENCH SEATING
1	B79CH	NEW	LARGE CONVENIENT COUNTER W/ MICROWAVE SECTION
8	B7C	NEW	CHAIR
2	B7TR	NEW	TRASH CAN WITH TRAY RETURN SHELF
1	B8D	NEW	DEEP FRYER W/SS SIDE PANELS
1	B907	NEW	PASTA COOKER
1	B90V	NEW	COUNTERTOP CONDIMENTS FIXTURE
1	B91	NEW	SAUCING CENTER
1	B91	NEW	BABY HIGH CHAIR
1	B921B	NEW	6-HEAD DRINK/ICE DISPENSER
1	BF9SIB-6	NEW	9' SUSHI PREP/DISPLAY
1	BCKSDBAT	NEW	DFT SERVICE HOT CHICKEN CASE
1	BFSWIFCAM	NEW	6' TWO TIERED PUBLIC HOT FEED
1	D1DSC36NC	NEW	36IN SINGLE DECK "FRESH SLICED" DELI CASE
2	D3S11HP	NEW	11' FIVE-DECK DELI CASE
2	D5D6HP	NEW	6' FIVE-DECK DELI CASE
1	D5RLSHEHP	NEW	FIVE-DECK DELI CASE LEFT SLAB MIRRORED END
1	D5RRCMEHP	NEW	FIVE-DECK DELI CASE RIGHT CONTOURED MIRRORED END
1	D5RRSHEHP	NEW	FIVE-DECK DELI CASE RIGHT SLAB MIRRORED END
2	D6MLIX12HC	NEW	12' MULTIPLEX DELI CASE CUNITICED (56"H)
3	D6SL10DC	NEW	10' NSF DELI CASE (56"H)
1	DPPASTBAT	NEW	DFT PAN ASIAN PREP STATION WITH REF STORAGE
1	DPSUSUSTSB-2	NEW	9' SUSHI PREP/DISPLAY CASE W/ REF, REAR STORAGE
1	DPSSUSTLEB-2	NEW	SUSHI PREP/DISPLAY LEFT PANEL END
1	DPSSUSTRIB-2	NEW	SUSHI PREP/DISPLAY RIGHT PANEL END
1	DPSWSTBAT	NEW	DFT SANDWICH PREP WITH REF STORAGE

DOORS

2	DR36CR	NEW	36" RIGHT HINGED COOLER DOOR (84"H)
1	DR36CS	NEW	STRIP DOOR FOR 36" COOLER DOOR
3	DR36L	NEW	3'-0" LEFT HINGED DOOR (DIRECT BUY)
5	DR36R	NEW	3'-0" RIGHT HINGED DOOR (DIRECT BUY)
7	DR36SDG	NEW	3' DOUBLE ACTION SINGLE LEAF PLASTIC GATE
1	DR6DBF	NEW	(1NT) 12' BI-PARTING SLIDER AUTO ENTRANCE DOOR UNIT
2	DR6X9DB	NEW	6' X 9'H DOUBLE ACTION DOUBLE PLASTIC DOOR
2	DR7S9F1	NEW	(1MD) 14' BI-PARTING SLIDER AUTO ENTRANCE DOOR UNIT
1	DR7SF3	NEW	6'X9' BI-PART FLEX DOOR (FREEZER/BACKROOM)
2	DR9GSC	NEW	9'W X 7'H FULL VIEW SECTIONAL OVERHEAD BASCART DOOR

DRUG-GH

2	BK1E	NEW	BOOK RACK END CAP - W/LIGHTS
7	BK1W	NEW	BOOK RACK WALL W/LIGHTS
11	BK3W	RELO	BOOK RACK WALL W/LIGHTS
2	GH16	NEW	H-WALL FOR FURNITURE VIGNETTE (90"H)
7	GH2	NEW	4' MARKETLACE SAMSON BOX FOR FROZEN FOOD AREA
3	GH26-36	NEW	36"V MIRROR/FRAME RACK
1	GH30	NEW	GIFT REGISTRY KIOSK
1	GH30	RELO	GIFT REGISTRY KIOSK
1	GH36-60	NEW	5' 16" GRAPHIC ILLUMINATED CASE (60"H)
1	GH9-4	NEW	4FT GIFT CARD ENDCAP

ELECTRONICS

1	E10CC	NEW	THINCLIENT CABINET
3	E10CM	NEW	THINCLIENT W MONITOR
1	E151-RX	NEW	19" RACK/40 PORT PATCH PANEL KIT (EXO)
1	E19	NEW	SENSORY DIGITAL KIOSK (VENDOR SUPPLY)
1	E26TV-42	NEW	LCD VIDEOSCREEN (42")
10	E27	NEW	PRICE CHECKER (MOUNT @ 48" AFF TO POINT OF OPERATION)
1	E42-17	NEW	17" LCD MONITOR
1	E43	NEW	POS MOUNTING POLE
3	E5	NEW	MFP (FAX PRINTER COPIER SCANNER)
1	E7WFD	NEW	COPY PRINT SCAN MFD
2	E9F	NEW	EAS PEDESTAL
2	E9F	RELO	EAS PEDESTAL
5	E9L	NEW	EAS PEDESTALS (6' TO 9' OPENING)
1	GE102	NEW	PC & MONITOR

FLORAL

4	F42	NEW	BOUQUET BAG STAND
4	F46	NEW	NESTING TABLE SET
1	F47WR	NEW	FLORAL WORKSTATION (RIGHT HAND WALL)
1	F50	NEW	BALLOON SPINNER RACK (VENDOR SUPPLY)
4	F56	NEW	FLORAL CONSUMER BUNCH DISPLAY
2	F57	NEW	FLORAL HANGING PLANT STAND
1	F9	NEW	HELIUM TANK (VENDOR SUPPLY)
2	FLP1B	NEW	9' LOW PROFILE FLORAL CASE (60"H)
1	FLP2W0	NEW	90 DEGREE LOW PROFILE FLORAL CASE WEDGE (60"H)
1	FLP9LGE	NEW	LOW PROFILE FLORAL CASE LEFT GLASS END (60"H)
1	FLP9RGE	NEW	LOW PROFILE FLORAL CASE RIGHT GLASS END (60"H)

GENERAL

1	GE1	NEW	FLY ZAPPER (VEST, /DOOR) (MOUNT @ 4'-0" AFF TO BOTTOM
5	GE209F	NEW	KID RIDE ALONG BASSCART
1	GE235-3	NEW	3 LEVER SPRAY BRAN PROPORTIONER (VENDOR SUPPLY)
1	GE236-2C	NEW	2 BUTTON PROPORTIONER FOR 3-COMP SINK (VENDOR SUPPLY)
1	GE239	NEW	FREE PUBLICATION RACK
1	GE242	NEW	CLEANING CART
1	GE243	RELO	CART SANI-WIPE DISPENSER (KROGER SUPPLY)
174	GE252-20K	NEW	BASCART (GE250 CL IN CAPACITY)
2	GE255	NEW	TAG BIN STAND
1	GE2	NEW	LOTTERY TERMINAL (SERVICE) (VENDOR SUPPLY)
1	GE41	NEW	CUSTOM MILLWORK COUNTER (CONTRACTOR SUPPLY)
16	GE63C-24	NEW	PROTECTIVE CHROME CORNER GUARD
8	GE63C3	NEW	SMALL CORNER GUARD (ENDCAPS)
12	GE63	NEW	REMOVABLE PROTECTIVE POST (SALES AREA)
2	GE88B	NEW	LOCKER (3 TIER/LOUVERED DOORS)
6	GE9MMS	NEW	MONEY SERVICES QUEUING BAND POST
4	GE94	NEW	QUEUING BAND POST
9	GE96B	NEW	ELECTRONIC SHOPPING CART (REAR DRIVE)
14	GE97	NEW	TOP COLLAR TURNING POST
1	H	NEW	COAT HOOK (BY PARTITION SUPPLIER)
1	NR	NEW	SANITARY NAPKIN DISPOSAL RECEPTACLE
1	PA	NEW	AUTOMATIC PAPER TOWEL DISPENSER (KROGER SUPPLY)
5	PN	NEW	MECHANICAL PAPER TOWEL DISPENSER (KROGER SUPPLY)
8	SD	NEW	SOAP DISPENSER (KROGER SUPPLY)
1	TP	NEW	TOILET PAPER DISPENSER (KROGER SUPPLY)
3	TR	NEW	TRASH RECEPTACLE
2	GE123	RELO	VENDING MACHINE (VENDOR SUPPLY)

GROCERY

4	G48-3	NEW	3' UNIVERSAL END DISPLAY (18"D)
19	G49-3	NEW	3' UNIVERSAL END DISPLAY (19"D)
1	G49N-3	NEW	3' UNIVERSAL END DISPLAY (19"D)
25	G50-3	NEW	3' UNIVERSAL END DISPLAY (84"D)
9	G50-4	NEW	4' UNIVERSAL END DISPLAY (84"D)
5	G79F	NEW	MASS MERCH ENDCAPS
1	G89MGT	EXIST	MAGAZINE TAIL CHECKSTAND MERCHANDISER
19	G89MGT	NEW	MAGAZINE TAIL CHECKSTAND MERCHANDISER
1	G89MG	EXIST	CHECKSTAND MERCHANDISER MAGAZINE ENDCAP
7	G89MG	NEW	CHECKSTAND MERCHANDISER MAGAZINE ENDCAP
1	G98B	NEW	3' WINE ENDCAP
3	G98SLB	NEW	LANE BLOCKER
6	G9SSSC	NEW	CHECKSTAND REFRIGERATED MERCHANDISER
1	GSSMSC48	NEW	4' FIVE-3K NARROW SELF-CONTAINED GROCERY MERCH.
1	GSSMICSPHI	NEW	8' NARROW GLASS DOOR GROCERY PROMO (3 DOORS)
3	GSSMLEVI	NEW	NARROW GLASS DOOR GROCERY LEFT END PANEL
7	GSSMLT12HI	NEW	12' NARROW GLASS DOOR LOW TEMP GROCERY (5 DOORS)
3	GSSMLTRHI	NEW	8' NARROW GLASS DOOR LOW TEMP GROCERY (3 DOORS)
3	GSSMREHI	NEW	NARROW GLASS DOOR GROCERY RIGHT END PANEL

HOME FASHION

2	HDM12B	NEW	STORE DIRECTORY
3	HDM1ST	NEW	DESK FURNITURE RECLINER RISER
7	HDM1	NEW	METAL DECK 4 X 4 - BLACK
3	HDM1-H	NEW	MATCH FOR MISSION TABLE
4	HSV1L	NEW	LARGE MISSION TABLE
5	HSV1M	NEW	MEDIUM MISSION TABLE
4	HSV1S	NEW	SMALL MISSION TABLE
4	HSV3-S	NEW	GRID END FASHION TOWER

HOME HARDLINES

1	GCR10	NEW	BALLOON CLOSET/DISPLAY
1	GCR12-4	NEW	DISPLAY PLATFORM/DECK 4'L
1	GCR12-8	NEW	DISPLAY PLATFORM/DECK 8'L
2	GCR1681-4C	NEW	4' PLANT RACK (NO HANGER) (END)
2	GCR1681-4N	NEW	4' PLANT RACK (NO HANGER)
2	PAD1	NEW	1 GALLON PAINT BLENDER - BENCH MODEL
1	PAD5-8	NEW	8FT SERVICE PAINT DESK - MIL OAK
1	PAD6	NEW	PAINT TINTING MACHINE
1	PAD9	NEW	RUG DISPLAYER
1	PAD7	NEW	WATCH RITE COMPUTER

INTIMATE

2	INT11A	NEW	T-FRAME ADD ON UNIT 2.5'L (PEWTER) (INTIMATE)
4	INT11E	NEW	T-FRAME END FRAME INCLUDED IN STARTER (PEWTER, INTIMAT)
2	INT11	NEW	T-FRAME STARTER UNIT 2.5'L (PEWTER) (INTIMATE)
1	INT2F	NEW	PANTY TABLE
2	INT43	NEW	ROUND JEWELRY TABLE
1	INT43	RELO	ROUND JEWELRY TABLE
1	INT4	RELO	BRA TREE WITH 16 ARMS (SATIN CHROME)
5	INT5	RELO	BRA TREE & PANTY FIXTURE,QUAD
9	INT6A	NEW	T-FRAME ADD-ON UNIT 2.5'L (PEWTER) (HOSIERY)
6	INT6E	NEW	T-FRAME END - INCLUDED IN STARTER(HOSIERY)
3	INT6	NEW	T-FRAME STARTER UNIT 2.5'L (PEWTER) (HOSIERY)
1	INT7	RELO	PLAYTEX 24/7 8 SIDED 5 DRAWER SPACE MAKER
1	INT9B	RELO	JOCKEY DISPLAY

MEAT

1	M11T	NEW	SERVICE SCALE/UPC PRINTER (TOLEDO)
4	M4&S	NEW	MEAT ISLAND SHELVING DISPLAY
1	M54-1E	NEW	16' MEAT SERVICE CASE W/HUMIDITY CONTROL/TIMER
2	MVI0TBHX	NEW	8' DUAL TEMP VIBE ISLAND MEAT
4	MVI0TBHX	NEW	DUAL TEMP VIBE ISLAND MEAT END CASE

MENS WEAR

9	MEN14A	NEW	T-FRAME ADD-ON KIT 2.5'L (PEWTER)
14	MEN14E	NEW	T-FRAME END - INCLUDED IN STARTER
7	MEN14	NEW	T-FRAME STARTER KIT 2.5'L (PEWTER)
2	MEN49	NEW	CASHART W/SHOEBOX SHELVES
2	MEN45	NEW	CASHART W/SHOEBOX WITH SHELF & HANGBAR

NATURAL FOODS

2	N16P	NEW	NUT BUTTER GRINDER
1	N17-4	NEW	4' INLINE NATURE'S MKT RESOURCE CENTER W/ PC & PRINTER
1	N18C	NEW	MONEY DISPENSER
7	N21H9-4	NEW	4FT BULK BIN SECTION WITH HIGH VOLUME BINS
25	N21S-4	NEW	4FT GRINDER SECTION WITH SCALE ON LEFT
32	N21-16W	NEW	SCALE STAND FOR HANGING SCALE
1	N33MHP	NEW	9' 5-DECK NARROW NUTRITION CASE
1	N33NLCMEHP	NEW	5-DECK NARROW NUT. CASE LEFT CONTOURED MIRRORED END
1	N33NRCMEHP	NEW	5-DECK NARROW NUT. CASE RIGHT CONTOURED MIRRORED END

PHARMACY

25	PRX1-84	NEW	WILL CALL CUBBIES - 84"V X 58"H (60 BIN)
3	PR02-84	NEW	WILL CALL CUBBIES - 84"V X 84"H (96 BIN)
8	R1-161E	NEW	16' ISLAND SHELF END PANEL
24	R1-161	NEW	16' ISLAND SHELF
25	R1-16WE	NEW	16' WALL SHELF END PANEL
32	R1-16W	NEW	16' WALL SHELF
1	R3	NEW	PHARMACY LASER PRINTER
3	R27-3	NEW	9' PHARMACY WALL CABINET W/ DOORS
2	R27-4	NEW	4' PHARMACY WALL CABINET W/ DOORS
1	R29N	NEW	OPEN PRINTER CABINET W/ ADJUSTABLE SHELF
1	R29S	NEW	OPEN CABINET W/ HEAVY DUTY SLIDE-OUT
9	R31	NEW	5 DRAWER CABINET
4	R32	NEW	BOTTLE DISPENSER CABINET
1	R33	NEW	SINK CABINET
8	R36H	NEW	18" OPEN CABINET FOR TRASH OR RECORDS DESTRUCTION
1	R40Y	NEW	HEALTH STATION (VENDOR SUPPLIED)
1	R50B	NEW	PRESCRIPTION VALIDATION & DISPENSING DEVICE
1	R50	NEW	COMPOUNDING SCALE
5	R54L	NEW	25" FINISHED PANEL END
8	R54S	NEW	24" FINISHED PANEL END
6	R56FD	NEW	RX DATA ENTRY MOUNTING POLE
3	R56FR	NEW	RX RELEASE TO PATIENT MOUNTING POLE
3	R58T	NEW	REGISTER CABINET (36"H)
3	R60	NEW	2 DWR FILE CABINET
3	R61	NEW	DROP-OFF/PICK-UP ADA KNEESPACE CABINET
1	R63S	NEW	SMALL PRIVACY PANEL
2	R63	NEW	PRIVACY PANEL
1	R65L	NEW	DROP-OFF COUNTER (LEFT HAND)
1	R65R	NEW	DROP-OFF COUNTER (RIGHT HAND)
3	R67B	NEW	PASS THRU HUTCH
1	R68	NEW	CDAI/NURSE CLOSET
2	R80	NEW	PHARMACY STOOL
4	R83	NEW	WAITING AREA CHAIR
3	R86	NEW	WAITING AREA CHAIR WITHOUT ARMS
3	R13	NEW	RX IMAGE SCANNER
11	RPC	NEW	RX EASYFILL PRN PC & 17" LCD
7	RTP	NEW	RX THERMAL PRINTER (BACKTAGS & VIAL LABELS)
2	R37B	NEW	UNDERCOUNTER REFRIGERATOR (BIOMEDICAL)
1	R40B	NEW	REFRIGERATOR/FREEZER (BIOMEDICAL)

PRODUCE

2	P81E	NEW	ENERGY EFFICIENT 3-ROLL WRAPPER (NO WINGS)
2	P82T	NEW	PINEAPPLE CORER (TABLETOP MODEL)
2	P31T	NEW	SERVICE SCALE/UPC PRINTER (TOLEDO)
1	P82T	NEW	PRODUCE TOP LOADING SCALE WITH 4 QUART BOWL
1	P43B	NEW	REVERSE OSMOSIS UNIT FOR PRODUCE MISTING
1	P51	NEW	FLOOR MODEL SAMPLING UNIT
2	P93I	NEW	ICED ORCHARD BIN
2	P93PW	NEW	ORCHARD BIN PALLET WRAP
15	P93T	NEW	ORCHARD BIN SIDE TABLE (UPSCALED)
3	P93W	NEW	ORCHARD BIN WEDGE
15	P53	NEW	3' X 3' ORCHARD BIN (UPSCALED)
1	P64	NEW	PRODUCE MISTING CONTROL/TIMER
1	P66	RELO	WATER SANITATION UNIT (W/ WATER BOOSTER)
2	P63	NEW	PRODUCE SALES FLOOR CART
1	P64	NEW	PRODUCE CARDBOARD CART
1	P66	NEW	PRODUCE CONDITIONING CART
1	P69	NEW	PRODUCE MARKDOWN RACK
30	P71B	NEW	BULK PRODUCE TABLE
8	P71HB	NEW	HALF SIZE BULK PRODUCE TABLE
11	P71LE	NEW	PRODUCE TABLE LEFT END
4	P71PE	NEW	BAGGED POTATO AND BAGGED FRUIT TABLE END PANEL
7	P71P	NEW	BAGGED POTATO AND BAGGED FRUIT TABLE
9	P71RE	NEW	PRODUCE TABLE RIGHT END
2	P72BN	NEW	BANANA TABLE
1	P72RE	NEW	BANANA TABLE RIGHT END
2	P72TP	NEW	TROPICAL PRODUCE TABLE
16	P75	NEW	PRODUCE PLATTER CART
1	P70TR	NEW	REMOTE ICE PLACER WITH CART TRANSPORT SYSTEM (1000LB)
2	P5810HP	NEW	10' FIVE-DECK PRODUCE CASE
1	P5809HP	NEW	9' FIVE-DECK PRODUCE CASE
4	P58GR12HP	NEW	12' FIVE-DECK PRODUCE CASE (GREENRACK)
1	P58GR9HP	NEW	9' FIVE-DECK PRODUCE CASE (GREENRACK)
1	P58LCMEHP	NEW	FIVE-DECK PRODUCE LEFT CONTOURED MIRRORED END
1	P58LSHEHP	NEW	FIVE-DECK PRODUCE LEFT SLAB MIRRORED END
2	P58RCMEHP	NEW	FIVE-DECK PRODUCE RIGHT CONTOURED MIRRORED END
2	P58RSHEHP	NEW	FIVE-DECK PRODUCE RIGHT SLAB MIRRORED END
3	P58SCSS	NEW	6' MOBILE SELF CONTAINED PRODUCE CASE

SEAFOOD

1	S247	NEW	SERVICE SCALE/UPC PRINTER (TOLEDO)
1	SMSLCK8HP	NEW	8' KOLP SEAFOOD CASE (54" H.)
1	SMSLCK6HP	NEW	KOLP SEAFOOD CASE LEFT PANEL END (55" H.)
1	SMSLCK8RHP	NEW	KOLP SEAFOOD CASE RIGHT END (

GENERAL NOTES:

A. ALL ROOF PENETRATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ROOFING SYSTEM REQUIREMENTS AND ROOF MANUFACTURERS INSTRUCTIONS. COORDINATE ALL WORK WITH ROOFING CONTRACTOR.

B. CONTRACTOR SHALL VERIFY EXACT HEIGHTS OF ALL CEILINGS PRIOR TO START OF WORK. SEE ARCHITECTURAL SHEETS FOR CEILING DETAILS AND CONSTRUCTION. COORDINATE EXACT DUCTWORK INSTALLATION WITH CEILING HEIGHTS AND STRUCTURE AS REQUIRED.

C. SEE ELECTRICAL LIGHTING SHEETS FOR EXACT LOCATION OF ALL LIGHT FIXTURES. COORDINATE EXACT DIFFUSER AND GRILLE LOCATIONS WITH LIGHTING FIXTURES AS REQUIRED. INSTALL AND MAINTAIN A MINIMUM OF 36" FROM LIGHT FIXTURE.

D. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE WHILE COORDINATING WITH ALL OTHER TRADES. OFFSET AND TRANSITION DUCTWORK BETWEEN AND BENEATH STRUCTURAL MEMBERS WHERE REQUIRED.

E. ALL DUCTWORK SHALL MEET SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE", 2005 EDITION. DUCT GAUGES, REINFORCEMENTS, METHODS OF CONNECTION, TRANSITIONS AND CONSTRUCTION WILL BE FIELD VERIFIED, MEASURED AND INSPECTED FOR COMPLIANCE. DUCTWORK NOT MEETING SMACNA'S STANDARDS WILL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE. UNLESS OTHERWISE ADDRESSED IN THE SPECIFICATIONS, THE PRESSURE CLASSIFICATION FOR ALL DUCTWORK SHALL BE 1" WATER GAUGE POSITIVE OR NEGATIVE. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS PRIOR TO SUBMITTALS OR DUCT FABRICATION AND GIVE WRITTEN DOCUMENTATION OF COMPLIANCE IN ORIGINAL PRODUCT SUBMITTALS.

F. ALL DUCTWORK IN EXPOSED SALES AREAS SHALL BE SHEET METAL ONLY, NO FLEX DUCT ALLOWED. FINAL CONNECTIONS TO DIFFUSERS, GRILLES AND REGISTERS SHALL BE SHEET METAL DUCT ONLY. SUPPORT DUCTWORK PER SMACNA AND CODE. FURNISH WITH PAINT-LOC FINISH OR PRIME FOR PAINTING.

G. ALL DIMENSIONS ARE LISTED IN INCHES UNLESS OTHERWISE NOTED.

H. HVAC CONTRACTOR SHALL FIELD-COORDINATE ALL CONDITIONS, UNIT LOCATIONS, OBSTRUCTIONS AND DUCTWORK INSTALLATION PRIOR TO DUCT FABRICATION. TRANSITION AND OFFSET DUCTWORK AS REQUIRED TO MAKE FIT IN CEILING SPACES AND FIELD CONDITIONS. DUCTWORK FABRICATED BY THE HVAC CONTRACTOR PRIOR TO FIELD COORDINATION AND CONFLICT RESOLUTION SHALL BE AT THE RESPONSIBILITY AND COST OF THE HVAC CONTRACTOR. OWNER SHALL NOT BE RESPONSIBLE FOR SHOP FABRICATED DUCTWORK SIZED DIRECTLY FROM THE HVAC DRAWINGS.

I. DO NOT CUT, DRILL HOLES OR REMOVE ANY PORTION OF STRUCTURAL MEMBERS, BEAMS OR PURLINS. ROUTE ALL DUCTWORK, PIPING AND CONDUIT AROUND AND BELOW STRUCTURAL MEMBERS AS REQUIRED. SEE STRUCTURAL DETAILS AND DRAWINGS FOR EXACT METHOD OF ATTACHING HANGERS TO BEAMS AND STRUCTURAL MEMBERS.

J. ALL DUCTWORK SERVING SPACES UNDER THE MEZZANINE IN THE NORTHEAST CORNER OF THE BUILDING MUST BE COORDINATED WITH STRUCTURE. BRANCH DUCTWORK TO RUN THROUGH STRUCTURAL JOISTS.

K. DO NOT ATTACH SCREWS, NAILS, HANGERS OR FASTENERS OF ANY TYPE TO ROOF DECK. SUPPORT ALL MECHANICAL EQUIPMENT FROM STRUCTURE AND CONTRACTOR-INSTALLED KICKERS ONLY. PROVIDE AND INSTALL INTERMEDIATE KICKERS BETWEEN PURLINS AS REQUIRED TO HANG EQUIPMENT AND SHEET METAL DUCTWORK.

L. ALL TEMPERATURE CONTROLS, EMS CONTROLS AND SMOKE DETECTOR SHUT-DOWN WORK SHALL BE COMPLETED BY EMS CONTROLS CONTRACTOR. SEE 'EM' SHEETS FOR ALL ASSOCIATED WORK.

M. MECHANICAL CONTRACTOR SHALL FIELD ADJUST ALL DIFFUSERS, REGISTERS AND DRUM LOUVERS DISCHARGE AIRFLOW AWAY FROM ALL OPEN REFRIGERATED CASES, SWAYING SIGNAGE. CHECK STAND/PREP WEIGHT SCALES AND OTHER NOTICABLE CONFLICTING LOCATIONS AT THE COMPLETION OF CONSTRUCTION (TYP)

N. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL PERMANENT ENGRAVED PLASTIC-LAMINATE SIGNS WITH MINIMUM 1"-TALL LETTERING AT ALL ROOFTOP UNITS, EXHAUST FANS AND HVAC EQUIPMENT LOCATIONS THROUGHOUT ENTIRE BUILDING AND ROOFTOP. MOUNT PERMANENTLY IN AN APPROPRIATE AND EFFECTIVE LOCATION, WITH UNIT DESIGNATION AND AREA SERVED SHOWN, PRIOR TO FINAL PUNCH DATE. SEE EMS CONTROL DRAWINGS FOR LABELING OF ALL REMOTE SENSORS, THERMOSTATS AND CONTROL DEVICES.

O. MECHANICAL CONTRACTOR SHALL CLEAN ALL EXISTING DIFFUSERS, REGISTERS, GRILLES AND DRUM LOUVERS.

P. PAINT ALL NEW DIFFUSERS, REGISTERS, AND GRILLES PER ARCHITECT'S INSTRUCTIONS.

Q. PAINT ALL EXPOSED DUCTWORK (BOTH EXISTING TO REMAIN AND NEW) PER ARCHITECT'S INSTRUCTIONS.

R. PROVIDE BALANCING DAMPERS AT POINTS ON SUPPLY, RETURN AND EXHAUST SYSTEMS WHERE BRANCHES LEAD FROM LARGE DUCTS, AS REQUIRED FOR AIR BALANCING. INSTALL AT A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF.

S. WHERE DUCTWORK IS INSTALLED ABOVE CEILINGS, PROVIDE INSULATION ON ALL DUCTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

T. PROVIDE LOCKING COVER FOR ALL NEW/RELOCATED SENSORS IN PUBLIC AREAS.

U. EXISTING AC UNIT SMOKE DETECTORS ARE TO REMAIN UNLESS DEMO IS SPECIFICALLY NOTED.

V. MECHANICAL CONTRACTOR TO PRESSURE TEST ALL NEW DUCTWORK ABOVE HARD CEILINGS.

W. PROVIDE FIRE RATED DUCT WRAP INSTALLATION INSTRUCTIONS FOR THE NEW TYPE I HOODS AS A DEFERRED SUBMITTAL TO THE CITY.

X. ALL NEW INTAKE OPENINGS SHALL COMPLY WITH 2012 IMC SECTION 401.4:
1. INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM LOT LINES OR BUILDINGS ON THE SAM LOT.
2. MECHANICAL AND GRAVITY OUTDOOR AIR INTAKE OPENINGS SHALL BE LOCATED NOT LESS THAN 10 FEET HORIZONTALLY FROM ANY HAZARDOUS OR NOXIOUS CONTAINMENT SOURCE, SUCH AS VENTS, STREETS, ALLEYS, PARKING LOTS AND LOADING DOCKS, EXCEPT AS SPECIFIED IN ITEM 3 OR SECTION 501.1.1. OUTDOOR AIR INTAKE OPENINGS SHALL BE PERMITTED TO BE LOCATED LESS THAN 10 FEET HORIZONTALLY FROM STREETS, ALLEYS, PARKING LOTS AND LOADING DOCKS PROVIDED THAT THE OPENINGS ARE LOCATED NOT LESS THAN 25 FEET VERTICALLY ABOVE SUCH LOCATIONS. WHERE OPENINGS FRONT ON A STREET OR PUBLIC WAY, THE DISTANCE SHALL BE MEASURED FROM THE CLOSEST EDGE OF THE STREET OR PUBLIC WAY.
3. INTAKE OPENINGS SHALL BE LOCATED NOT LESS THAN 3 FEET BELOW CONTAMINANT SOURCES WHERE SUCH SOURCES ARE LOCATED WITHIN 10 FEET OF THE OPENING.
4. INTAKE OPENINGS ON STRUCTURES IN FLOOR HAZARD AREAS SHALL BE AT OR ABOVE THE ELEVATION REQUIRED BY SECTION 1612 OF THE IBC FOR UTILITIES AND ATTENDANT EQUIPMENT.

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Y. ALL NEW EXHAUST OUTLETS SHALL COMPLY WITH 2012 IMC SECTION 501.3.1:
1. FOR DUCTS CONVEYING EXPLOSIVE OR FLAMMABLE VAPORS, FUMES OR DUSTS: 30 FEET FROM THE PROPERTY LINE, 10 FEET FROM OPERABLE OPENINGS INTO THE BUILDING; 6 FEET FROM EXTERIOR WALLS AND ROOFS; 30 FEET FROM COMBUSTIBLE WALLS AND OPERABLE OPENINGS INTO THE BUILDING WHICH ARE IN THE DIRECTION OF THE EXHAUST DISCHARGE; 10 FEET ABOVE ADJOINING GRADE.
2. OTHER PRODUCT-CONVEYING OUTLETS: 10 FEET FROM PROPERTY LINES; 3 FEET FROM EXTERIOR WALLS AND ROOFS; 10 FEET FROM OPERABLE OPENINGS INTO THE BUILDING; 10 FEET ABOVE ADJOINING GRADE.
3. FOR ENVIRONMENTAL AIR DCUT EXHAUST OTHER THAN ENCLOSED PARKING GARAGE AND TRANSFORMER VAULT: 3 FEET FROM PROPERTY LINES, 3 FEET FROM OPERABLE OPENINGS INTO THE BUILDING FOR ALL OCCUPANCIES OTHER THAN GROUP U, AND 10 FEET FROM A MECHANICAL AIR INTAKE.
EXCEPTIONS:
1. THE SEPARATION BETWEEN AN AIR INTAKE AND EXHAUST OUTLET ON A SINGLE LISTED PACKAGE HVAC UNIT.
2. EXHAUST FROM ENVIRONMENTAL AIR SYSTEMS OTHER THAN GARAGES MAY BE DISCHARGED INTO AN OPEN PARKING GARAGE.
3. EXCEPT FOR GROUP I OCCUPANCIES, WHERE VENTILATION SYSTEM DESIGN CIRCUMSTANCES REQUIRE BUILDING HVAC AIR TO BE RELIEVE INTO AN OPEN OR ENCLOSED PARKING GARAGE WITHIN THE SAME BUILDING.
4. EXHAUST OUTLETS SERVING STRUCTURES IN FLOOD HAZARD AREAS SHALL BE INSTALLED AT OR ABOVE THE DESIGN FLOOD LEVEL.

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ABBREVIATIONS

SYMBOL	DESCRIPTION
A.G.A.	AMERICAN GAS ASSOCIATION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CENT	CENTRIFUGAL
CFM	CUBIC FEET PER MINUTE (AIRFLOW)
CHAR	CHARACTERISTICS, ELECTRICAL
CONT	CONTINUATION
COORD	COORDINATE
CO2	CARBON DIOXIDE SENSOR (IAQ)
CO	CARBON MONOXIDE SENSOR (IAQ)
DB	DRY BULB (°F)
DN	DOWN
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE (°F)
EFF	EFFICIENCY
EER	ENERGY EFFICIENCY RATIO
ELEC	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
ETC	ETCETERA
EX	EXISTING
FD	FIRE DAMPER
FLA	FULL LOAD AMPERAGE
FSD	FIRE SMOKE DAMPER
GA	GAUGE
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HX	HEAT EXCHANGER
IAQ	INDOOR AIR QUALITY
IEQ	INDOOR ENVIRONMENTAL QUALITY
kW	KILOWATT (POWER)
LAT	LEAVING AIR TEMP
MAX	MAXIMUM
MBH	1000 BTUs/ HOUR
MIN	MINIMUM
MODS	MODIFICATIONS
NO. OR #	NUMBER
N.T.S.	NOT TO SCALE
OA	OUTSIDE AIR (FRESH AIR)
OAT	OUTSIDE AIR TEMPERATURE (°F)
OB	OPPOSED BLADE
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (PRESSURE)
RA	RETURN AIR
REF	REFRIGERATION
REFRIG	REFRIGERANT
REQ'D	REQUIRED
RH	RELATIVE HUMIDITY
RPBP	REDUCED-PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
S	SENSOR (SEE SPECS)
SA	SUPPLY AIR
SD	SMOKE DETECTOR (IN RETURN DUCT)
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SPE	STATIC PRESSURE EXTERNAL
SPT	STATIC PRESSURE TOTAL
S/T	SENSIBLE TO TOTAL COOLING RATIO
T-STAT	THERMOSTAT (SEE SPECS)
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
VOL	VOLUME
W/	WITH
WB	WET BULB (°F)

SOME ABBREVIATIONS LISTED IN THIS LEGEND MAY NOT APPEAR WITHIN THIS PROJECT'S SCOPE. THIS LIST IS FOR GENERIC PURPOSES ONLY AND IS NOT PROJECT-SPECIFIC.

HVAC SYMBOLS

- SUPPLY AIR RISER
- RETURN AIR RISER
- EXHAUST AIR RISER
- FLEXIBLE DUCT (6'0" MAX)
- MANUAL VOLUME DAMPER. DURO DYNE 8008–SRC380 (3/8" CONCEALED) W/ ROD EXTENSION
- SPIN–IN FITTING W/ 45° AIR EXTRACTOR AND MANUAL VOLUME DAMPER.
- SMOKE DETECTOR WIRED BY EMS CONTROLS CONTRACTOR. LOCATE IN RETURN DUCT PER CODE
- FIRE DAMPER: CONTRACTOR SHALL FIELD VERIFY ASSEMBLY REQUIREMENTS FOR LOCAL JURISDICTION AND STATE CODES PRIOR TO ORDERING AND INSTALLATION
- DUCTWORK
- DIFFUSER
- SUPPLY DRUM LOUVER OR REGISTER
- RETURN GRILLES
- EXHAUST GRILLE
- T THERMOSTAT
- TS TEMPERATURE SENSOR
- CO CARBON MONOXIDE MONITORING STATION
- DP BUILDING PRESSURE MONITOR

SEISMIC RESTRAINT OF ROOF MOUNTED EQUIPMENT

ALL ROOF MOUNTED EQUIPMENT INCLUDING, BUT NOT LIMITED TO, ROOFTOP UNITS, ROOFTOP FURNACES, MAKE–UP AIR UNITS, INTAKE HOODS, AND EXHAUST FANS SHALL BE SEISMICALLY RESTRAINED PER ALL CODES, WASHINGTON STATE REQUIREMENTS AND LOCAL JURISDICTION REQUIREMENTS.

MECHANICAL CONTRACTOR PROVIDED EQUIPMENT

THE MANUFACTURER OF THE ROOF–MOUNTED EQUIPMENT SHALL PROVIDE SEISMIC RESTRAINT DETAILS SEALED BY AN WASHINGTON LICENSED STRUCTURAL ENGINEER FOR THE CONNECTION BETWEEN THE EQUIPMENT AND THE CURB. THE MECHANICAL CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS FOR THE SEISMIC DETAILS, REQUIRED TIE DOWNS, AND LABOR TO INSTALL THE TIE DOWNS IN THE MECHANICAL BID.

OWNER PROVIDED EQUIPMENT

THE SEISMIC DETAILS AND TIE DOWNS FOR THE AAON OWNER PROVIDED EQUIPMENT WILL ALSO BE OWNER PROVIDED. THE OWNER PROVIDED SEISMIC RESTRAINT DETAILS SHALL BE SEALED BY A WASHINGTON LICENSED STRUCTURAL ENGINEER FOR THE CONNECTION BETWEEN THE EQUIPMENT AND THE CURB. THE SEISMIC DETAILS WILL BE PROVIDED TO THE MECHANICAL CONTRACTOR IN THE SHOP DRAWINGS PROVIDED BY AAON. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE LABOR TO INSTALL THE TIE DOWNS.

HVAC DRAWINGS LIST:

M0.0	HVAC SYMBOLS & SHEET INDEX
MD1.1	OVERALL HVAC DEMO PLAN
MD1.1.4	HVAC DEMO PLAN – AREA 4
MD1.1.5	HVAC DEMO PLAN – AREA 5
M1.1	OVERALL HVAC PLAN
M1.1.4	HVAC PLAN – AREA 4
M1.1.5	HVAC PLAN – AREA 5
M5.1	HVAC DETAILS (SHEET 1 OF 3)
M5.2	HVAC DETAILS (SHEET 2 OF 3)
M5.3	HVAC DETAILS (SHEET 3 OF 3)
M6.1	HVAC SCHEDULES (SHEET 1 OF 2)
M6.2	HVAC SCHEDULES (SHEET 2 OF 2)

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M0.0

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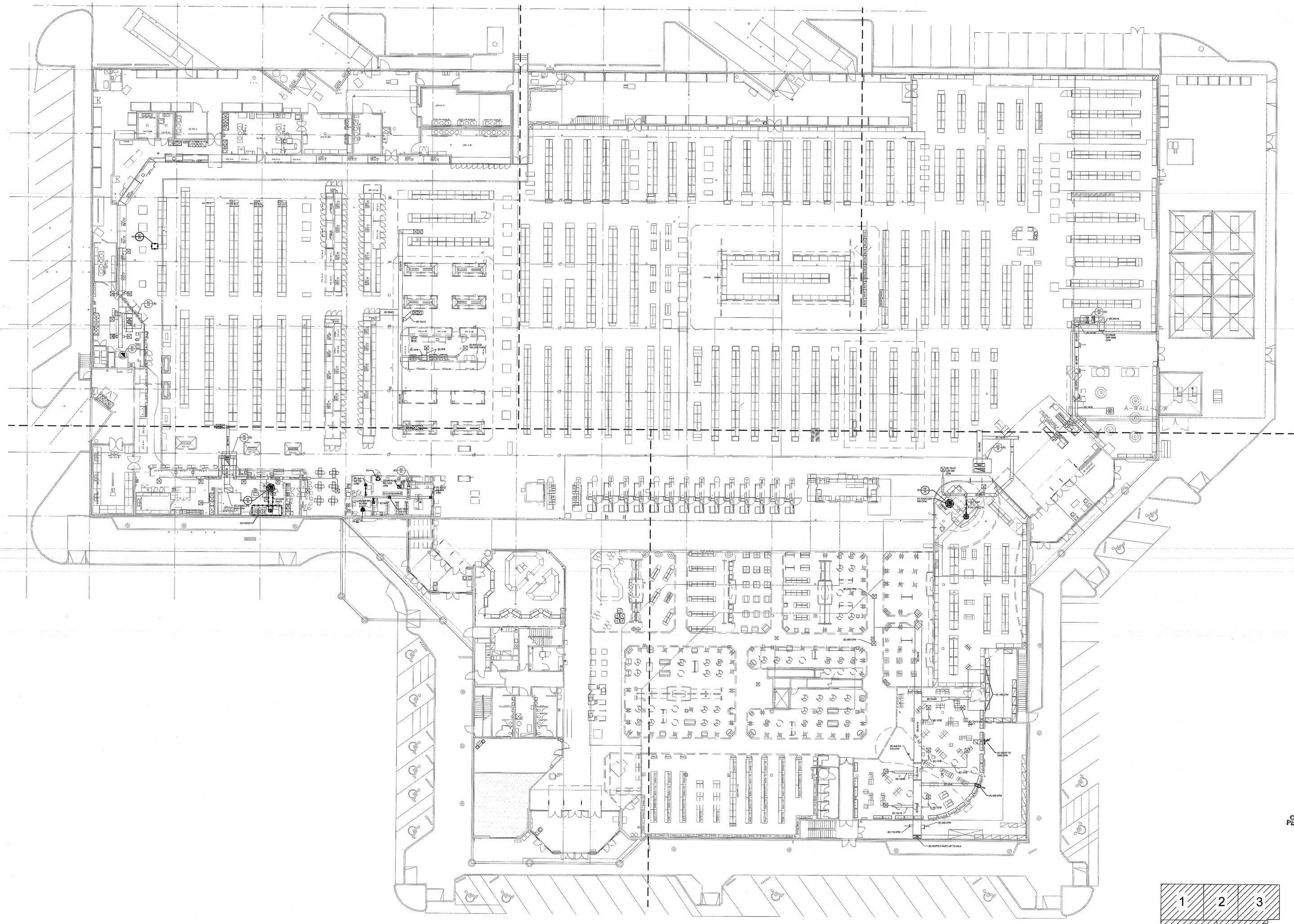

1 HVAC DEMO PLAN - AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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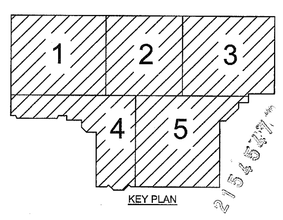

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SHEET
MD1.1

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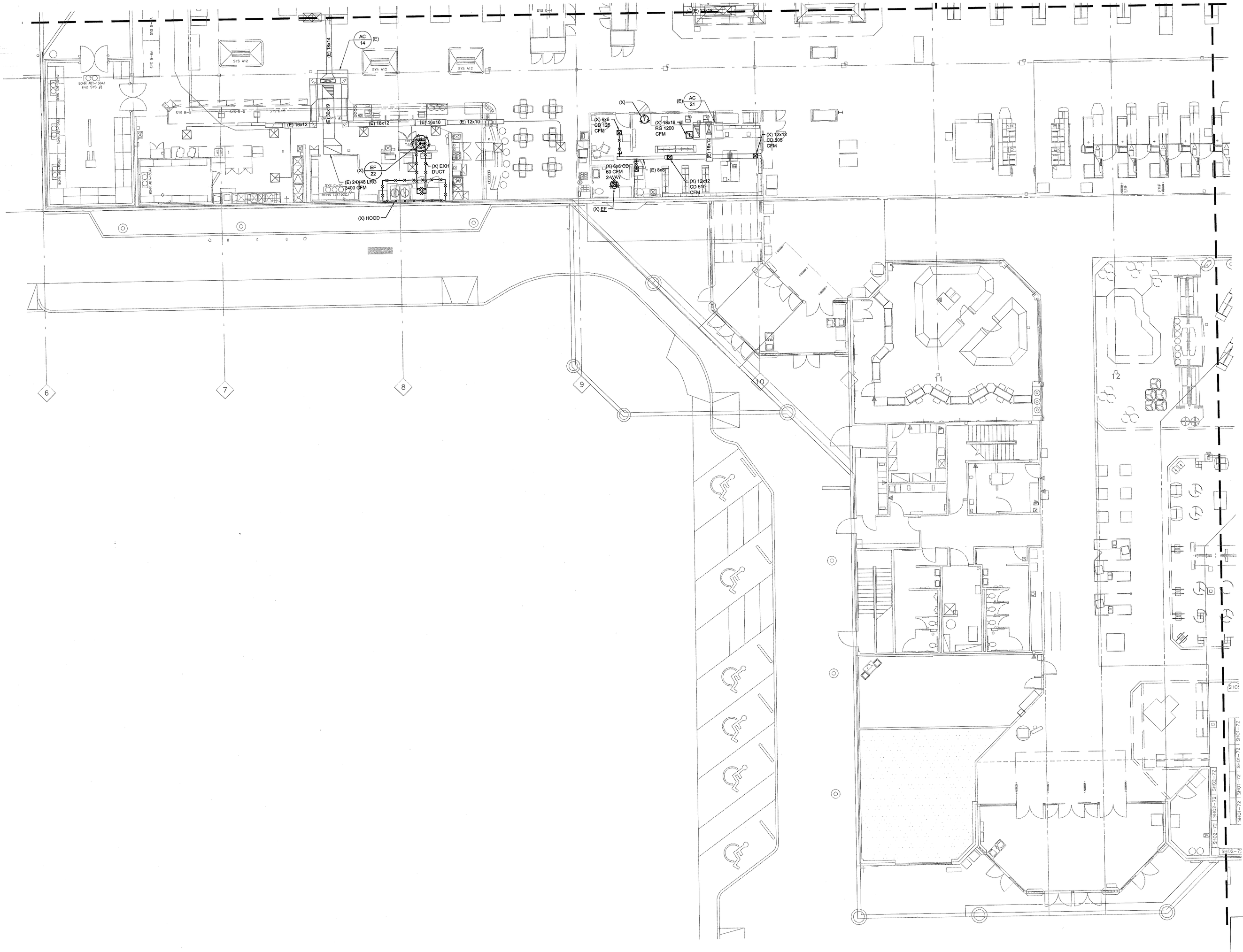

1 HVAC DEMO PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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KEY PLAN
1 2 3
4 5

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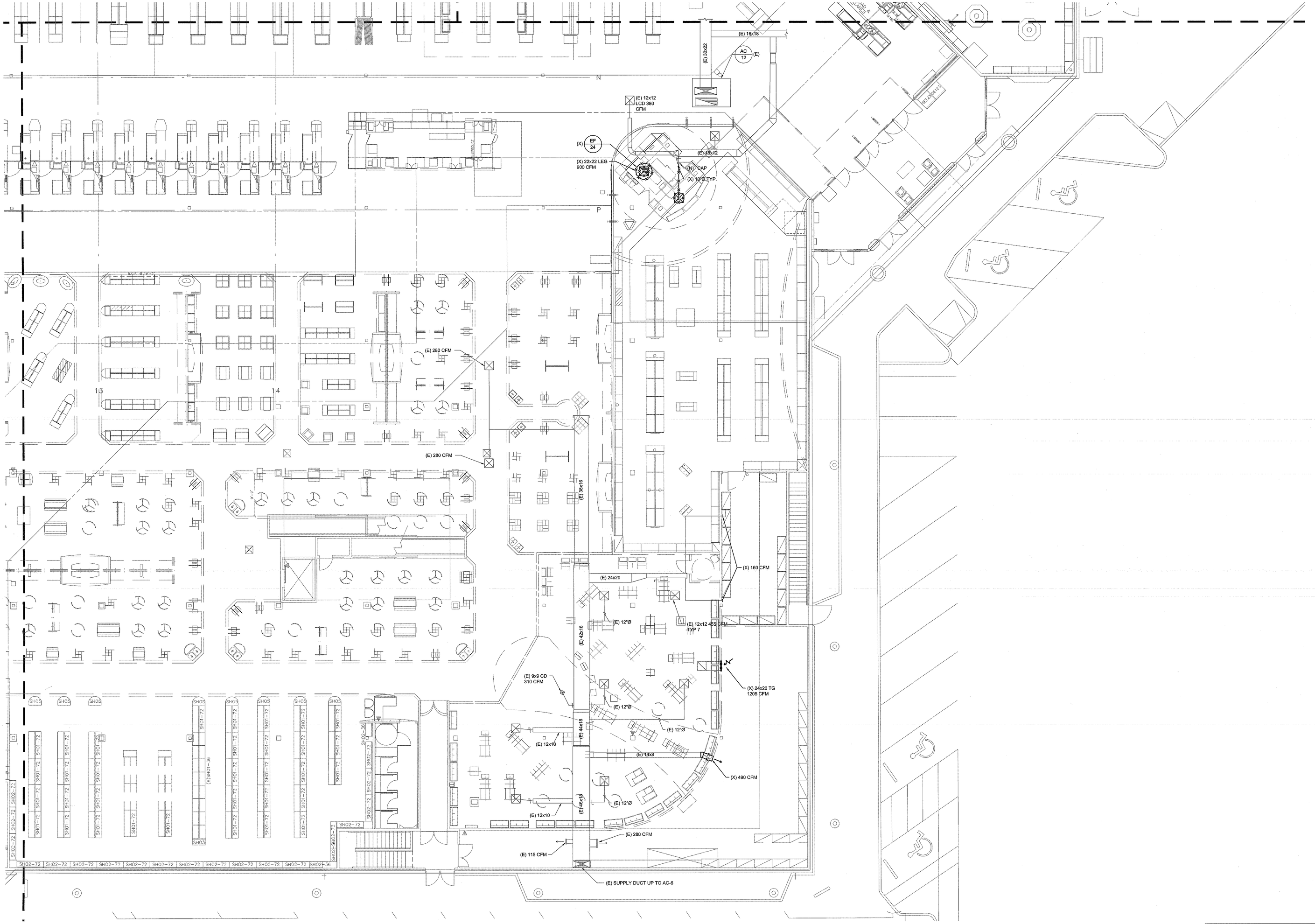

1 HVAC DEMO PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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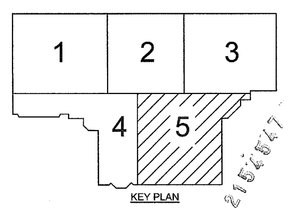

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MD1.1.5

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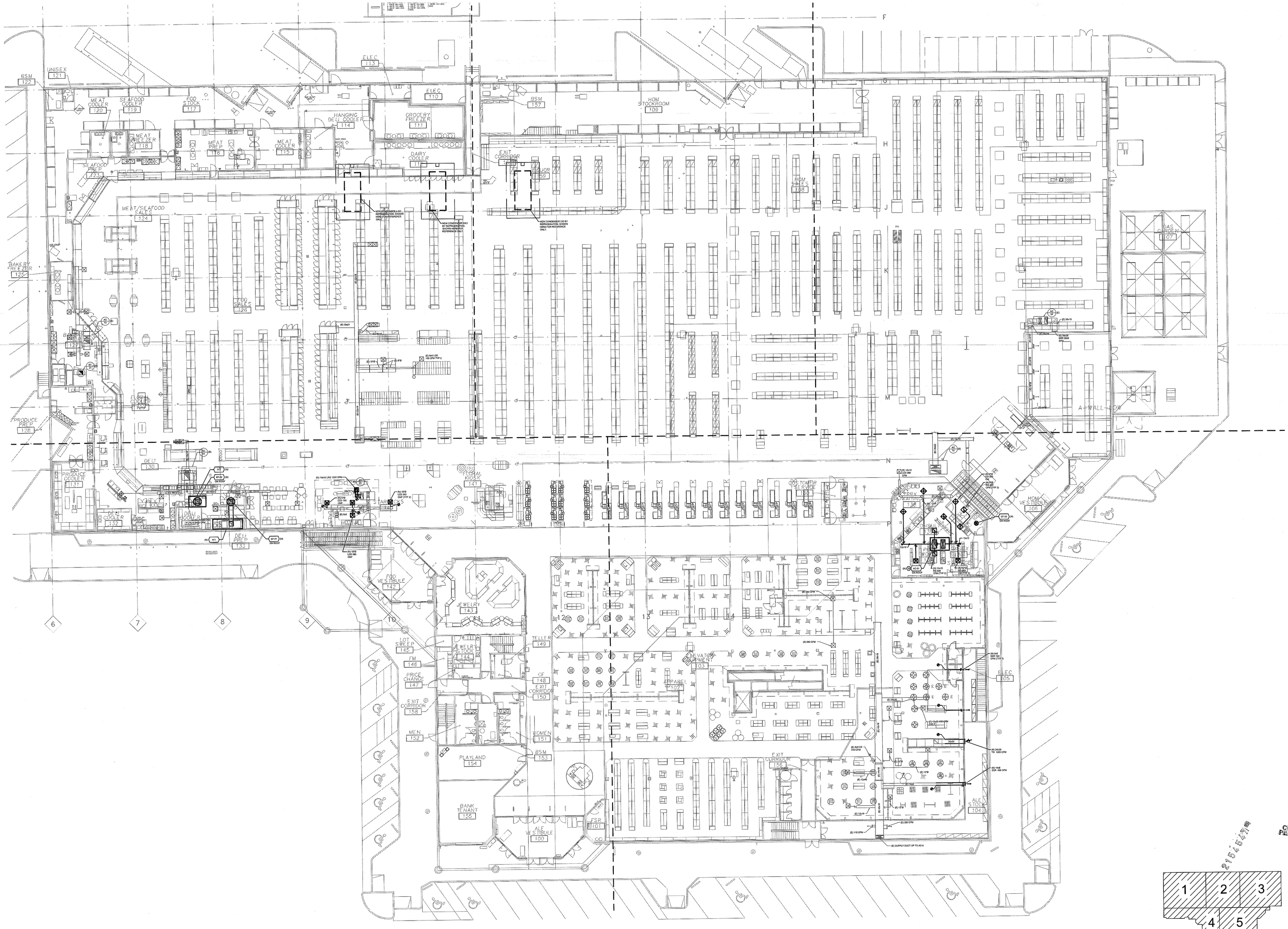

1 OVERALL HVAC PLAN

0 8' 16' 32'

SCALE: 1/16"=1'-0"

M.

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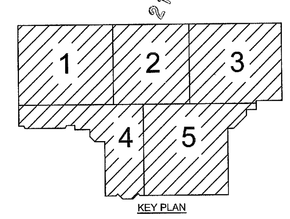

KEY PLAN

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SHEET
M1.1

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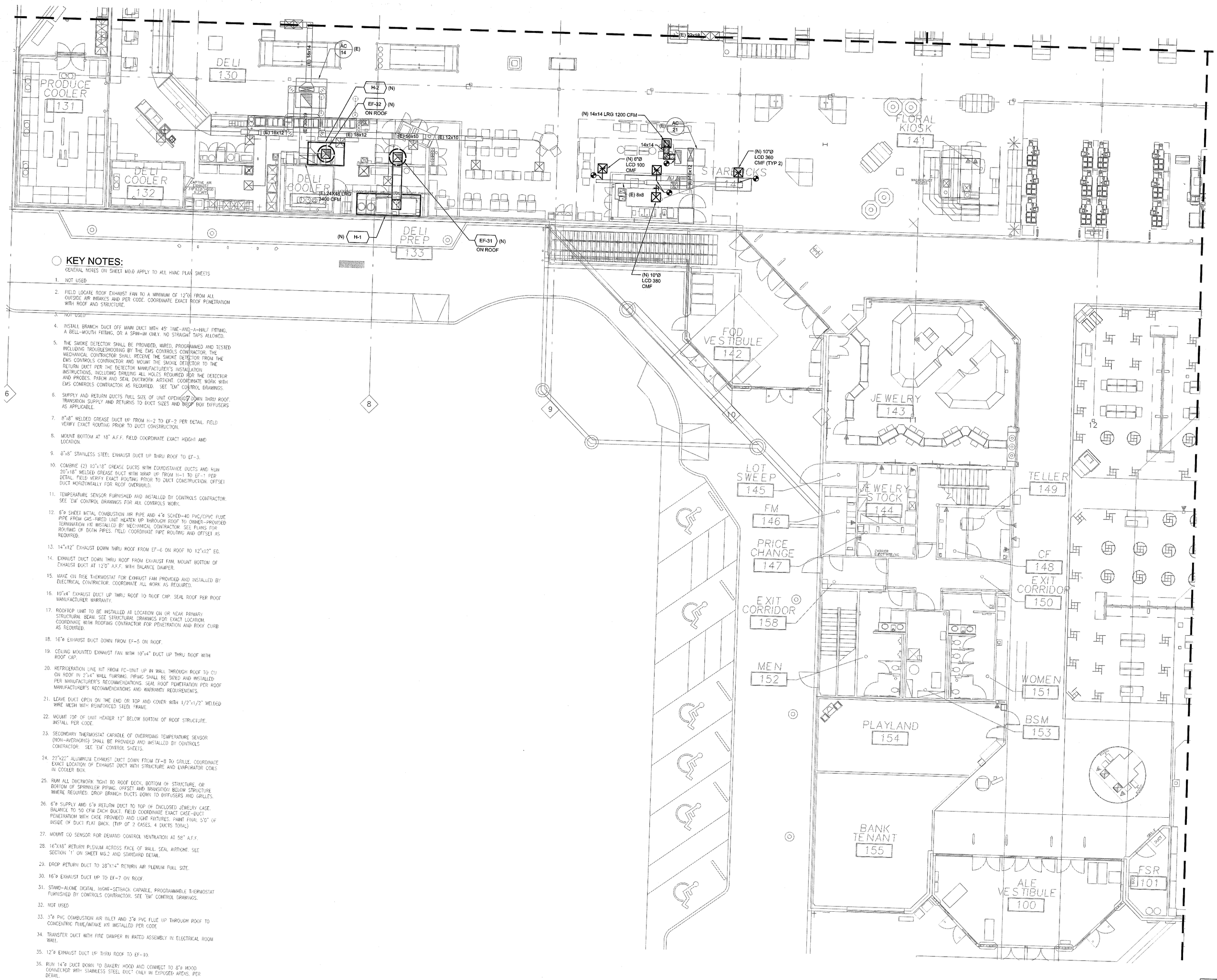


KEY NOTES:

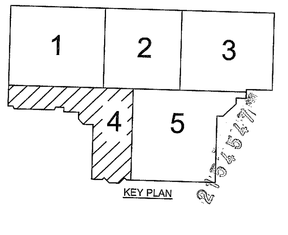
GENERAL NOTES ON SHEET M0.0 APPLY TO ALL HVAC PLAN SHEETS

1. NOT USED
2. FIELD LOCATE ROOF EXHAUST FAN TO A MINIMUM OF 12'0" FROM ALL OUTSIDE AIR INTAKES AND PER CODE. COORDINATE EXACT ROOF PENETRATION WITH ROOF AND STRUCTURE.
3. NOT USED
4. INSTALL BRANCH DUCT OFF MAIN DUCT WITH 45° TIME-AND-A-HALF FITTING, A BELL-MOUTH FITTING, OR A SPIN-IN ONLY. NO STRAIGHT TAPS ALLOWED.
5. THE SMOKE DETECTOR SHALL BE PROVIDED, WIRED, PROGRAMMED AND TESTED INCLUDING TROUBLESHOOTING BY THE EMS CONTROLS CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL RECEIVE THE SMOKE DETECTOR FROM THE EMS CONTROLS CONTRACTOR AND MOUNT THE SMOKE DETECTOR TO THE RETURN DUCT PER THE DETECTOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING DRILLING ALL HOLES REQUIRED FOR THE DETECTOR AND PROBES. PATCH AND SEAL DUCTWORK AIRTIGHT. COORDINATE WORK WITH EMS CONTROLS CONTRACTOR AS REQUIRED. SEE "EM" CONTROL DRAWINGS.
6. SUPPLY AND RETURN DUCTS FULL SIZE OF UNIT OPENINGS DOWN THRU ROOF. TRANSITION SUPPLY AND RETURNS TO DUCT SIZES AND DOOR BOX DIFFUSERS AS APPLICABLE.
7. 8"x8" WELDED GREASE DUCT UP FROM H-2 TO EF-2 PER DETAIL. FIELD VERIFY EXACT ROUTING PRIOR TO DUCT CONSTRUCTION.
8. MOUNT BOTTOM AT 18" A.F.F. FIELD COORDINATE EXACT HEIGHT AND LOCATION.
9. 8"x8" STAINLESS STEEL EXHAUST DUCT UP THRU ROOF TO EF-3.
10. COMBINE (2) 10"x18" GREASE DUCTS WITH EQUIDISTANCE DUCTS AND RUN 20"x18" WELDED GREASE DUCT WITH WRAP UP FROM H-1 TO EF-1 PER DETAIL. FIELD VERIFY EXACT ROUTING PRIOR TO DUCT CONSTRUCTION. OFFSET DUCT HORIZONTALLY FOR ROOF OVERBUILD.
11. TEMPERATURE SENSOR FURNISHED AND INSTALLED BY CONTROLS CONTRACTOR. SEE 'EM' CONTROL DRAWINGS FOR ALL CONTROLS WORK.
12. 6"ø SHEET METAL COMBUSTION AIR PIPE AND 4"ø SCHED-40 PVC/CPVC FLUE PIPE FROM GAS-FIRED UNIT HEATER UP THROUGH ROOF TO OWNER-PROVIDED TERMINATION KIT INSTALLED BY MECHANICAL CONTRACTOR. SEE PLANS FOR ROUTING OF BOTH PIPES. FIELD COORDINATE PIPE ROUTING AND OFFSET AS REQUIRED.
13. 14"x12" EXHAUST DOWN THRU ROOF FROM EF-6 ON ROOF TO 12"x12" EG.
14. EXHAUST DUCT DOWN THRU ROOF FROM EXHAUST FAN. MOUNT BOTTOM OF EXHAUST DUCT AT 12'0" A.F.F. WITH BALANCE DAMPER.
15. WIRE ON RISE THERMOSTAT FOR EXHAUST FAN PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL WORK AS REQUIRED.
16. 10"x4" EXHAUST DUCT UP THRU ROOF TO ROOF CAP. SEAL ROOF PER ROOF MANUFACTURER WARRANTY.
17. ROOFTOP UNIT TO BE INSTALLED AT LOCATION ON OR NEAR PRIMARY STRUCTURAL BEAM. SEE STRUCTURAL DRAWINGS FOR EXACT LOCATION. COORDINATE WITH ROOFING CONTRACTOR FOR PENETRATION AND ROOF CURB AS REQUIRED.
18. 16"ø EXHAUST DUCT DOWN FROM EF-5 ON ROOF.
19. CEILING MOUNTED EXHAUST FAN WITH 10"x4" DUCT UP THRU ROOF WITH ROOF CAP.
20. REFRIGERATION LINE KIT FROM FC-UNIT UP IN WALL THROUGH ROOF TO CU ON ROOF IN 2"x4" WALL FURRING. PIPING SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SEAL ROOF PENETRATION PER ROOF MANUFACTURER'S RECOMMENDATIONS AND WARRANTY REQUIREMENTS.
21. LEAVE DUCT OPEN ON THE END OR TOP AND COVER WITH 1/2"x1/2" WELDED WIRE MESH WITH REINFORCED STEEL FRAME.
22. MOUNT TOP OF UNIT HEATER 12" BELOW BOTTOM OF ROOF STRUCTURE. INSTALL PER CODE.
23. SECONDARY THERMOSTAT CAPABLE OF OVERRIDING TEMPERATURE SENSOR (NON-WATERGRIS) SHALL BE PROVIDED AND INSTALLED BY CONTROLS CONTRACTOR. SEE 'EM' CONTROL SHEETS.
24. 22"x22" ALUMINUM EXHAUST DUCT DOWN FROM EF-8 TO GRILLE. COORDINATE EXACT LOCATION OF EXHAUST DUCT WITH STRUCTURE AND EVAPORATOR COILS IN COOLER BOX.
25. RUN ALL DUCTWORK TIGHT TO ROOF DECK, BOTTOM OF STRUCTURE, OR BOTTOM OF SPRINKLER PIPING. OFFSET AND TRANSITION BELOW STRUCTURE WHERE REQUIRED. DROP BRANCH DUCTS DOWN TO DIFFUSERS AND GRILLES.
26. 6"ø SUPPLY AND 6"ø RETURN DUCT TO TOP OF ENCLOSED JEWELRY CASE. BALANCE TO 50 CFM EACH DUCT. FIELD COORDINATE EXACT CASE-DUCT PENETRATION WITH CASE PROVIDED AND LIGHT FIXTURES. PAINT FINAL 5'0" OF INSIDE OF DUCT FLAT BACK. (TYP OF 2 CASES, 4 DUCTS TOTAL)
27. MOUNT CO SENSOR FOR DEMAND CONTROL VENTILATION AT 58" A.F.F.
28. 16"X18" RETURN PLENUM ACROSS FACE OF WALL. SEAL AIRTIGHT. SEE SECTION '1' ON SHEET M5.2 AND STANDARD DETAIL.
29. DROP RETURN DUCT TO 28"x14" RETURN AIR PLENUM FULL SIZE.
30. 16"ø EXHAUST DUCT UP TO EF-7 ON ROOF.
31. STAND-ALONE DIGITAL, NIGHT-SETBACK CAPABLE, PROGRAMMABLE THERMOSTAT FURNISHED BY CONTROLS CONTRACTOR. SEE 'EM' CONTROL DRAWINGS.
32. NOT USED
33. 3"ø PVC COMBUSTION AIR INLET AND 3"ø PVC FLUE UP THROUGH ROOF TO CONCENTRIC FLUE/INTAKE KIT INSTALLED PER CODE.
34. TRANSFER DUCT WITH FIRE DAMPER IN RATED ASSEMBLY IN ELECTRICAL ROOM WALL.
35. 12"ø EXHAUST DUCT UP THRU ROOF TO EF-10.
36. RUN 14"ø DUCT DOWN TO BAKERY HOOD AND CONNECT TO 8"ø HOOD CONNECTOR WITH STAINLESS STEEL DUCT ONLY IN EXPOSED AREAS. PER DETAIL.
37. PROTOCOL REFRIGERATION UNIT TO BE COORDINATED WITH HVAC HEAT RECLAIM SYSTEM. SEE KROGER GO R41-R2 DRAWINGS FOR ALL REFRIGERATION RECLAIM AND PIPING CONNECTION REQUIREMENTS. SEE HEAT RECLAIM SCHEMATIC. COORDINATE WORK WITH REFRIGERATION CONTRACTOR AS REQUIRED.

1 HVAC PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"



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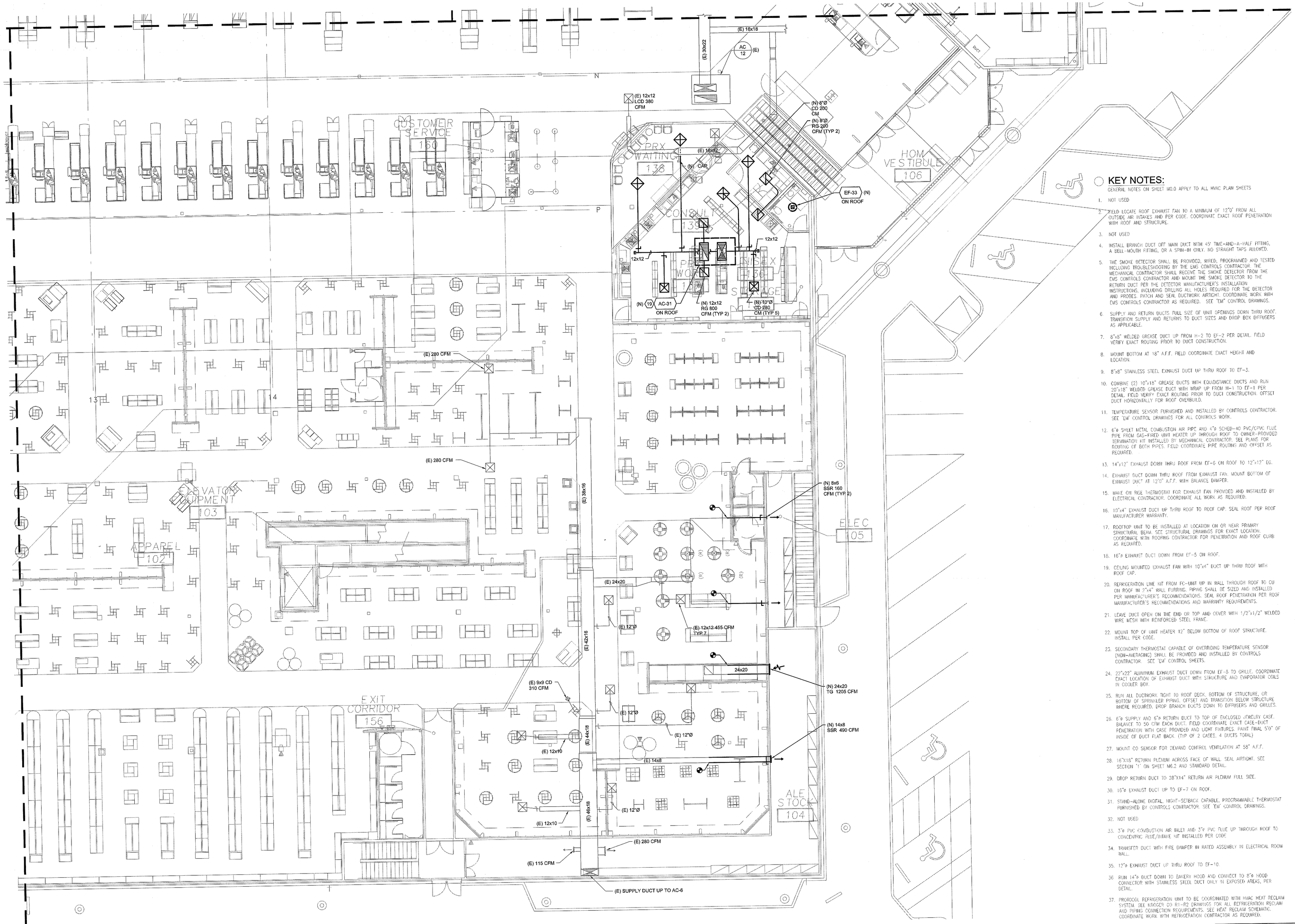


1 HVAC PLAN - AREA 5

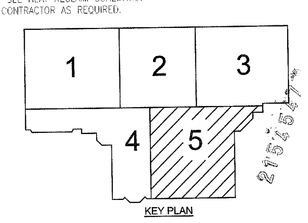
0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

GENERAL NOTES ON SHEET M0.0 APPLY TO ALL HVAC PLAN SHEETS

1. NOT USED
2. FIELD LOCATE ROOF EXHAUST FAN TO A MINIMUM OF 12'0" FROM ALL OUTSIDE AIR INTAKES AND PER CODE. COORDINATE EXACT ROOF PENETRATION WITH ROOF AND STRUCTURE.
3. NOT USED
4. INSTALL BRANCH DUCT OFF MAIN DUCT WITH 45° TAKE-AND-A-HALF FITTING, A BELL-MOUTH FITTING, OR A SPIN-IN ONLY. NO STRAIGHT TAPS ALLOWED.
5. THE SMOKE DETECTOR SHALL BE PROVIDED, WIRED, PROGRAMMED AND TESTED INCLUDING TROUBLESHOOTING BY THE EMS CONTROLS CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL RECEIVE THE SMOKE DETECTOR FROM THE EMS CONTROLS CONTRACTOR AND MOUNT THE SMOKE DETECTOR TO THE RETURN DUCT PER THE DETECTOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING DRILLING ALL HOLES REQUIRED FOR THE DETECTOR AND PROBES. PATCH AND SEAL DUCTWORK AIRTIGHT. COORDINATE WORK WITH EMS CONTROLS CONTRACTOR AS REQUIRED. SEE "EM" CONTROL DRAWINGS.
6. SUPPLY AND RETURN DUCTS FULL SIZE OF UNIT OPENINGS DOWN THRU ROOF. TRANSITION SUPPLY AND RETURNS TO DUCT SIZES AND DROP BOX DIFFUSERS AS APPLICABLE.
7. 8"x8" WELDED GREASE DUCT UP FROM H-2 TO EF-2 PER DETAIL. FIELD VERIFY EXACT ROUTING PRIOR TO DUCT CONSTRUCTION.
8. MOUNT BOTTOM AT 18" A.F.F. FIELD COORDINATE EXACT HEIGHT AND LOCATION.
9. 8"x8" STAINLESS STEEL EXHAUST DUCT UP THRU ROOF TO EF-3.
10. COMBINE (2) 10"x18" GREASE DUCTS WITH EQUIDISTANCE DUCTS AND RUN 20"x18" WELDED GREASE DUCT WITH WRAP UP FROM H-1 TO EF-1 PER DETAIL. FIELD VERIFY EXACT ROUTING PRIOR TO DUCT CONSTRUCTION. OFFSET DUCT HORIZONTALLY FOR ROOF OVERBUILD.
11. TEMPERATURE SENSOR FURNISHED AND INSTALLED BY CONTROLS CONTRACTOR. SEE 'EM' CONTROL DRAWINGS FOR ALL CONTROLS WORK.
12. 6"ø SHEET METAL COMBUSTION AIR PIPE AND 4"ø SCHED-40 PVC/CPVC FLUE PIPE FROM GAS-FIRED UNIT HEATER UP THROUGH ROOF TO OWNER-PROVIDED TERMINATION KIT INSTALLED BY MECHANICAL CONTRACTOR. SEE PLANS FOR ROUTING OF BOTH PIPES. FIELD COORDINATE PIPE ROUTING AND OFFSET AS REQUIRED.
13. 14"x12" EXHAUST DOWN THRU ROOF FROM EF-6 ON ROOF TO 12"x12" EG.
14. EXHAUST DUCT DOWN THRU ROOF FROM EXHAUST FAN. MOUNT BOTTOM OF EXHAUST DUCT AT 12'0" A.F.F. WITH BALANCE DAMPER.
15. MAKE ON RISE THERMOSTAT FOR EXHAUST FAN PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL WORK AS REQUIRED.
16. 10"x4" EXHAUST DUCT UP THRU ROOF TO ROOF CAP. SEAL ROOF PER ROOF MANUFACTURER WARRANTY.
17. ROOFTOP UNIT TO BE INSTALLED AT LOCATION ON OR NEAR PRIMARY STRUCTURAL BEAM. SEE STRUCTURAL DRAWINGS FOR EXACT LOCATION. COORDINATE WITH ROOFING CONTRACTOR FOR PENETRATION AND ROOF CURB AS REQUIRED.
18. 16"ø EXHAUST DUCT DOWN FROM EF-5 ON ROOF.
19. CEILING MOUNTED EXHAUST FAN WITH 10"x4" DUCT UP THRU ROOF WITH ROOF CAP.
20. REFRIGERATION LINE KIT FROM FC-UNIT UP IN WALL THROUGH ROOF TO CU ON ROOF IN 3"x4" WALL FURRING. PIPING SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SEAL ROOF PENETRATION PER ROOF MANUFACTURER'S RECOMMENDATIONS AND WARRANTY REQUIREMENTS.
21. LEAVE DUCT OPEN ON THE END OR TOP AND COVER WITH 1/2"x1/2" WELDED WIRE MESH WITH REINFORCED STEEL FRAME.
22. MOUNT TOP OF UNIT HEATER 12" BELOW BOTTOM OF ROOF STRUCTURE. INSTALL PER CODE.
23. SECONDARY THERMOSTAT CAPABLE OF OVERRIDING TEMPERATURE SENSOR (NON-AVERAGING) SHALL BE PROVIDED AND INSTALLED BY CONTROLS CONTRACTOR. SEE 'EM' CONTROL SHEETS.
24. 20"x22" ALUMINUM EXHAUST DUCT DOWN FROM EF-8 TO GRILLE. COORDINATE EXACT LOCATION OF EXHAUST DUCT WITH STRUCTURE AND EVAPORATOR COILS IN COOLER BOX.
25. RUN ALL DUCTWORK TIGHT TO ROOF DECK, BOTTOM OF STRUCTURE, OR BOTTOM OF SPRINKLER PIPING. OFFSET AND TRANSITION BELOW STRUCTURE WHERE REQUIRED. DROP BRANCH DUCTS DOWN TO DIFFUSERS AND GRILLES.
26. 6"ø SUPPLY AND 6"x RETURN DUCT TO TOP OF ENCLOSED JEWELRY CASE. BALANCE TO 50 CFM EACH DUCT. FIELD COORDINATE EXACT CASE-DUCT PENETRATION WITH CASE PROVIDED AND LIGHT FIXTURES. PAINT FINAL 5'0" OF INSIDE OF DUCT FLAT BACK. (TYP OF 2 CASES, 4 DUCTS TOTAL)
27. MOUNT CO SENSOR FOR DEMAND CONTROL VENTILATION AT 58" A.F.F.
28. 16"x18" RETURN PLENUM ACROSS FACE OF WALL. SEAL AIRTIGHT. SEE SECTION "1" ON SHEET M6.2 AND STANDARD DETAIL.
29. DROP RETURN DUCT TO 28"X14" RETURN AIR PLENUM FULL SIZE.
30. 16"ø EXHAUST DUCT UP TO EF-7 ON ROOF.
31. STAND-ALONE DIGITAL, NIGHT-SETBACK CAPABLE, PROGRAMMABLE THERMOSTAT FURNISHED BY CONTROLS CONTRACTOR. SEE 'EM' CONTROL DRAWINGS.
32. NOT USED
33. 3"ø PVC COMBUSTION AIR INLET AND 3"ø PVC FLUE UP THROUGH ROOF TO CONCENTRIC FLUE/INTAKE KIT INSTALLED PER CODE
34. TRANSFER DUCT WITH FIRE DAMPER IN RATED ASSEMBLY IN ELECTRICAL ROOM WALL.
35. 12"ø EXHAUST DUCT UP THRU ROOF TO EF-10.
36. RUN 14"ø DUCT DOWN TO BAKERY HOOD AND CONNECT TO 8"ø HOOD CONNECTOR WITH STAINLESS STEEL DUCT ONLY IN EXPOSED AREAS, PER DETAIL.
37. PROVIDE REFRIGERATION UNIT TO BE COORDINATED WITH HVAC HEAT RECLAIM SYSTEM. SEE KROGER CO R1-R2 DRAWINGS FOR ALL REFRIGERATION RECLAIM AND PIPING CONNECTION REQUIREMENTS. SEE HEAT RECLAIM SCHEMATIC. COORDINATE WORK WITH REFRIGERATION CONTRACTOR AS REQUIRED.



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ANDREW L. ASHER
EXPIRES: 12/31/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
HVAC
PLAN AREA 5

RECEIVED
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CITY OF KENT
PERMIT CENTER

DRAWN BY: LR
CHECKED BY: NS
SHEET
M1.1.5
JOB NO. 215034600.00

FILE: 172_M1.1 – HVAC PLAN.DWG – M1.1.5 – HVAC PLAN – AREA 5 | EDIT: 12/9/2015 4:47 PM BY MATTS | PLOT: 12/15/2015 2:17 PM BY LORENA RUIZ

Sheet List Table

Sheet Number	Sheet Title	Sheet Date
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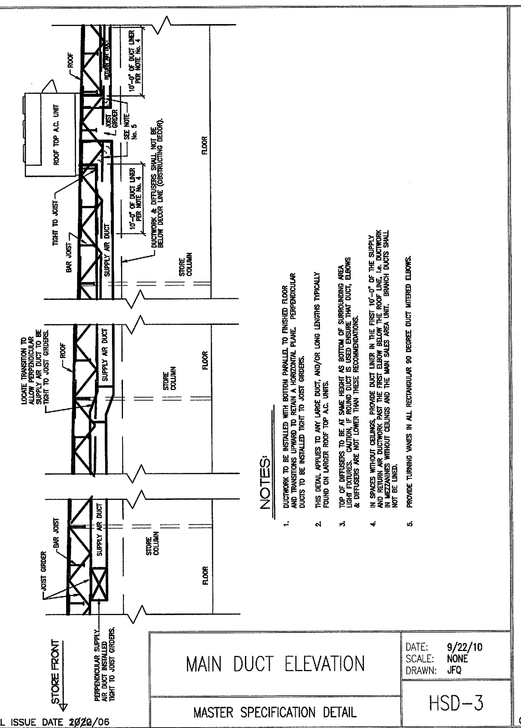
HSD-4	DELI-BAKERY EXHAUST HOOD INSTALLATION	7/29/13
HSD-5	DELI-BAKERY EXHAUST - SUPPLY AIR HOOD INSTALLATION	7/29/13
HSD-9A	ADJUSTABLE ROOF CURB FOR A-CABINET RTU	1/14/13
HSD-9B	ADJUSTABLE ROOF CURB FOR B-CABINET RTU	1/14/13
HSD-9C	ADJUSTABLE ROOF CURB FOR C-CABINET RTU	1/14/13
HSD-9D	SLOPED ROOF CURB FOR D-CABINET RTU	1/14/13
HSD-9RQ	ADJUSTABLE ROOF CURB FOR RQ-CABINET RTU	1/14/13
HSD-10	RTU WIND-SEISMIC RESTRAINT BRACKET	4/22/13
HSD-11	HVAC SPLIT SYSTEM DIAGRAM	10/11/12
HSD-12	RECOMMENDED INSTALLATION FOR DUCT MOUNTED HEAT RECLAIM COIL	3/11/11
HSD-13	GAS PIPING CONNECTIONS AT UNIT HEATERS	4/15/11
HSD-14	PIPING CONNECTIONS AT HIGH-EFFICIENCY UNIT HEATERS THRU WALL	10/11/12
HSD-15	PIPING CONNECTIONS AT HIGH-EFFICIENCY UNIT HEATERS THRU ROOF	10/11/12

SHEET INDEX

HVAC STANDARD DETAILS

DATE: 11/21/14
SCALE: NONE
DRAWN: ZAW

HSD-000



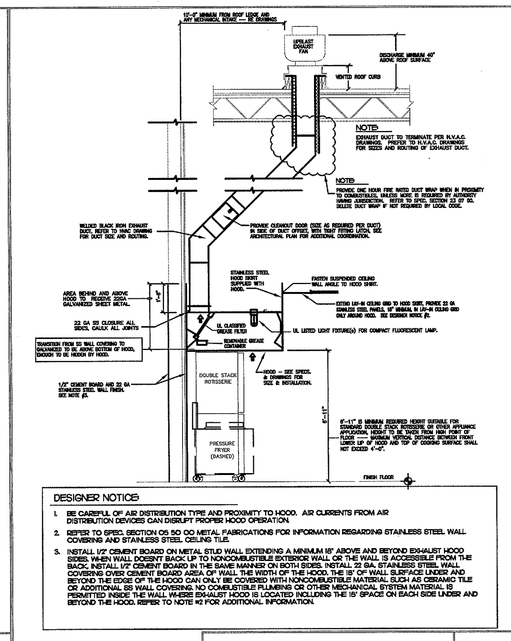
MAIN DUCT ELEVATION

MASTER SPECIFICATION DETAIL

DATE: 9/22/10
SCALE: NONE
DRAWN: JFQ

HSD-3

ORIGINAL ISSUE DATE 3/3/06



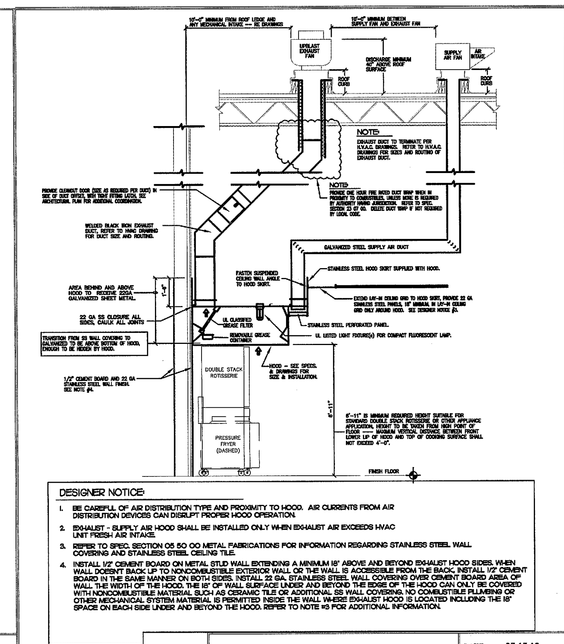
DELI-BAKERY EXHAUST HOOD INSTALLATION

MASTER SPECIFICATION DETAIL

DATE: 07/29/13
SCALE: NONE
DRAWN: ZAW

HSD-4

ORIGINAL ISSUE DATE 6/1/07



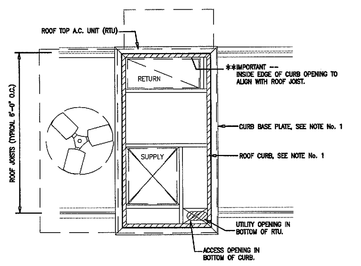
DELI-BAKERY EXHAUST - SUPPLY AIR HOOD INSTALLATION

MASTER SPECIFICATION DETAIL

DATE: 03.13.12
SCALE: NONE
DRAWN: ZAW

HSD-5

ORIGINAL ISSUE DATE 6/1/07



Notes:

1. INSTALL CURB BASE PLATE ON JOIST, INSERT CURB INTO BASE PLATE AND LEVEL PER RTU MANUFACTURER'S RECOMMENDATIONS, ATTACH BASE PLATE AND CURB THRU PRE-PUNCHED HOLES IN BASE PLATE WITH Ø12 x 1" TEK SCREWS SUPPLIED WITH CURB.
2. REFER TO ARCHITECTURAL PLANS FOR CURB LOCATIONS AND MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL CURB & RTU INFORMATION.
3. ADDITIONAL REFERENCE DETAILS --- ASD-78 & HSD-10.
4. RTU CURB IS PERMITTED TO OVERLAP ROOF JOIST A MAXIMUM OF 24".
5. BUILDING ENVELOPE MAINTAINED THRU INSULATED CURB AND INSULATED RTU CABINET.

Note:
Detail based on AES Insulated Prefabricated Structural Roof Curb, for AAON W Cabinet RTU'S.

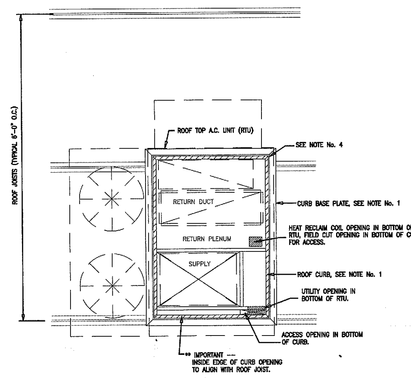
ADJUSTABLE ROOF CURB FOR A-CABINET RTU

MASTER SPECIFICATION DETAIL

DATE: 01/14/13
SCALE: NONE
DRAWN: ZAW

HSD-9A

ORIGINAL ISSUE DATE 10/1/09



Notes:

1. INSTALL CURB BASE PLATE ON JOIST, INSERT CURB INTO BASE PLATE AND LEVEL PER RTU MANUFACTURER'S RECOMMENDATIONS, ATTACH BASE PLATE AND CURB THRU PRE-PUNCHED HOLES IN BASE PLATE WITH Ø12 x 1" TEK SCREWS SUPPLIED WITH CURB.
2. REFER TO ARCHITECTURAL PLANS FOR CURB LOCATIONS AND MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL CURB & RTU INFORMATION.
3. ADDITIONAL REFERENCE DETAILS --- ASD-78 & HSD-10.
4. RTU CURB IS PERMITTED TO OVERLAP ROOF JOIST A MAXIMUM OF 24".
5. BUILDING ENVELOPE MAINTAINED THRU INSULATED CURB AND INSULATED RTU CABINET.

Note:
Detail based on AES Insulated Prefabricated Structural Roof Curb, for AAON B' Cabinet RTU'S.

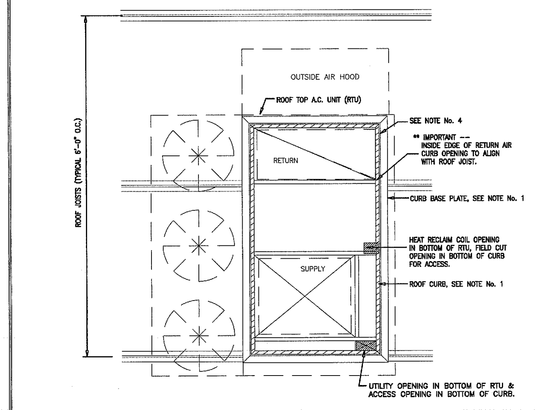
ADJUSTABLE ROOF CURB FOR B-CABINET RTU

MASTER SPECIFICATION DETAIL

DATE: 01/14/13
SCALE: NONE
DRAWN: ZAW

HSD-9B

ORIGINAL ISSUE DATE 10/1/09



Notes:

1. INSTALL CURB BASE PLATE ON JOIST, INSERT CURB INTO BASE PLATE AND LEVEL PER RTU MANUFACTURER'S RECOMMENDATIONS, ATTACH BASE PLATE AND CURB THRU PRE-PUNCHED HOLES IN BASE PLATE WITH Ø12 x 1" TEK SCREWS SUPPLIED WITH CURB.
2. REFER TO ARCHITECTURAL PLANS FOR CURB LOCATIONS AND MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL CURB & RTU INFORMATION.
3. ADDITIONAL REFERENCE DETAILS --- ASD-78 & HSD-10.
4. RTU CURB IS PERMITTED TO OVERLAP ROOF JOIST A MAXIMUM OF 24".
5. BUILDING ENVELOPE MAINTAINED THRU INSULATED CURB AND INSULATED RTU CABINET.

Note:
Detail based on AES Insulated Prefabricated Structural Roof Curb, for AAON 'C' Cabinet RTU'S.

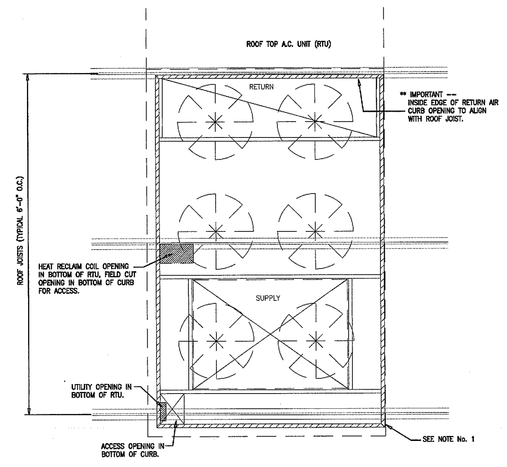
ADJUSTABLE ROOF CURB FOR C-CABINET RTU

MASTER SPECIFICATION DETAIL

DATE: 01/14/13
SCALE: NONE
DRAWN: ZAW

HSD-9C

ORIGINAL ISSUE DATE 10/1/09



Notes:

1. RTU CURB IS PERMITTED TO OVERLAP ROOF JOIST A MAXIMUM OF 24".
2. REFER TO ARCHITECTURAL PLANS FOR CURB LOCATIONS AND MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL CURB & RTU INFORMATION.
3. ADDITIONAL REFERENCE DETAILS --- ASD-78 & HSD-10.
4. BUILDING ENVELOPE MAINTAINED THRU INSULATED CURB AND INSULATED RTU CABINET.

Note:
Detail based on AES Insulated Prefabricated Structural Roof Curb, for AAON W Cabinet RTU'S.

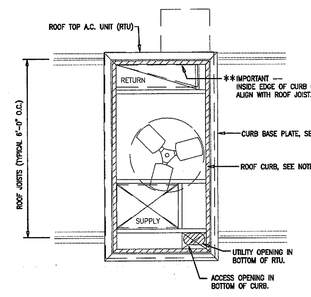
SLOPED ROOF CURB FOR D-CABINET RTU

MASTER SPECIFICATION DETAIL

DATE: 01/14/13
SCALE: NONE
DRAWN: ZAW

HSD-9D

ORIGINAL ISSUE DATE 10/1/09



Notes:

1. INSTALL CURB BASE PLATE ON JOIST, INSERT CURB INTO BASE PLATE AND LEVEL PER RTU MANUFACTURER'S RECOMMENDATIONS, ATTACH BASE PLATE AND CURB THRU PRE-PUNCHED HOLES IN BASE PLATE WITH Ø12 x 1" TEK SCREWS SUPPLIED WITH CURB.
2. REFER TO ARCHITECTURAL PLANS FOR CURB LOCATIONS AND MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL CURB & RTU INFORMATION.
3. ADDITIONAL REFERENCE DETAILS --- ASD-78 & HSD-10.
4. RTU CURB IS PERMITTED TO OVERLAP ROOF JOIST A MAXIMUM OF 24".
5. BUILDING ENVELOPE MAINTAINED THRU INSULATED CURB AND INSULATED RTU CABINET.

Note:
Detail based on AES Insulated Prefabricated Structural Roof Curb, for AAON 'RQ' Cabinet RTU'S.

ADJUSTABLE ROOF CURB FOR RQ-CABINET RTU

MASTER SPECIFICATION DETAIL

DATE: 01/14/13
SCALE: NONE
DRAWN: ZAW

HSD-9RQ

ORIGINAL ISSUE 5/7/10

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SHEET TITLE:

HVAC DETAILS
(SHEET 1 OF 3)

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SHEET

M5.1

215-0573

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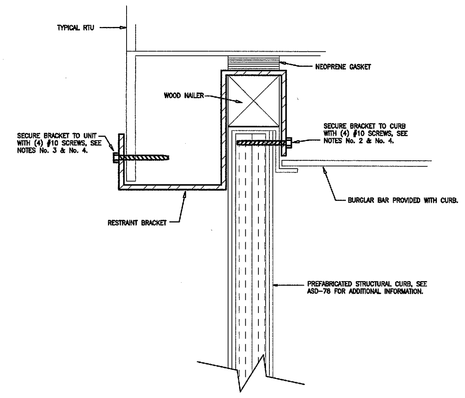
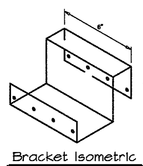


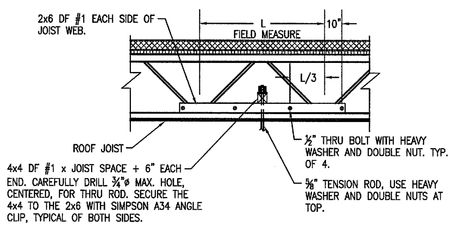
NOTES:

1. WIND/SEISMIC BRACKETS, PREFABRICATED STRUCTURAL CURB & RTU ARE SUPPLIED WITH CURBS AND CONTRACTOR INSTALLED.
2. ATTACH BRACKET TO INSIDE TOP OF CURB USING TEK SCREWS SUPPLIED AS SHOWN — ATTACH MOUNTING BRACKET TO CURB BEFORE MOUNTING UNIT ON CURB.
3. AFTER SETTING UNIT ON CURB, ATTACH BOTTOM OF BRACKET TO BASE RAIL ON UNIT WITH TEK SCREWS SUPPLIED AS SHOWN.
4. BRACKETS AND ATTACHMENT SCREWS ARE PROVIDED WITH EACH CURB AND INCLUDE: (8) 14 GA. STEEL ATTACHMENT BRACKETS. #10 – 1 1/2" LONG TEK SCREWS/PROVIDE AMPLE NUMBER OF SCREWS. THREE BRACKETS ON EACH LONG SIDES OF CURB EQUALLY SPACED.
5. (8) BRACKETS ON 'D' CABINET ONLY.



RTU WIND–SEISMIC RESTRAINT BRACKET	DATE: 04/22/13 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	HSD–10

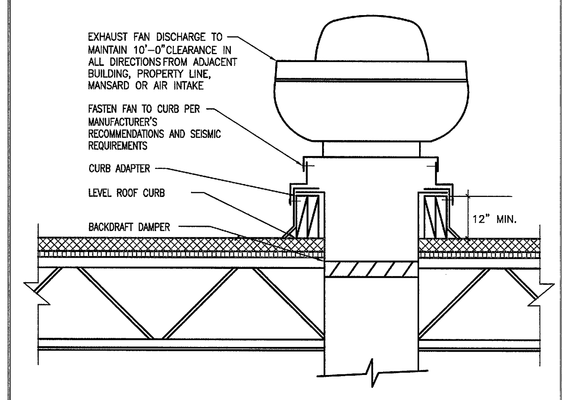
ORIGINAL ISSUE DATE 10/1/09



CONFIRM IN WRITING WITH STRUCTURAL ENGINEER EXACT CONNECTION AND SEISMIC BRACING METHODS PRIOR TO ORDERING HANGERS AND INSTALLATION. ROOF AND/OR FLOOR STRUCTURE SHALL DIFFER FROM JOISTS INDICATED. FIELD VERIFY EXACT CONDITIONS AND CONFIRM ALL CHANGES IN INSTALLATION WITH STRUCTURAL ENGINEER.

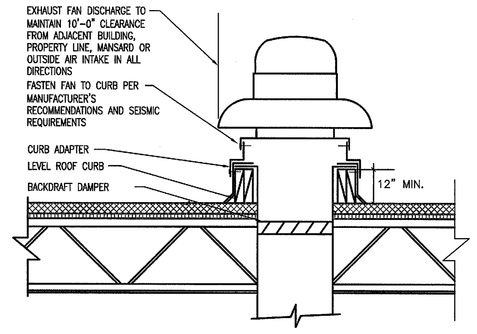
HOOD ANCHORING DETAIL	DATE: 12.12.11 SCALE: NONE DRAWN: MMM
KROGER NW STANDARD DETAIL	NW–HSD–311

ORIGINAL ISSUE DATE 06/27/06



UPBLAST EXHAUST FAN DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: MMM
KROGER NW STANDARD DETAIL	NW–HSD–312

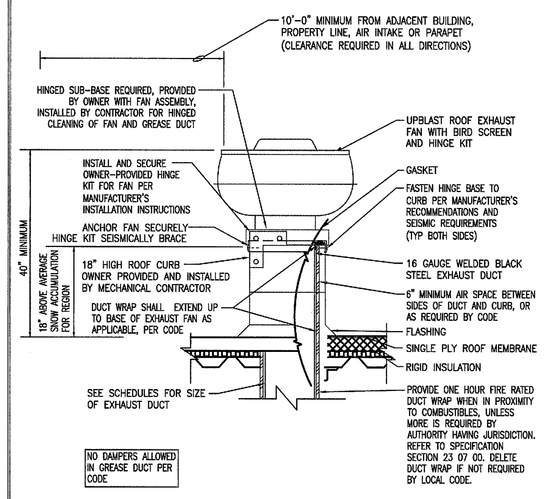
ORIGINAL ISSUE DATE 06/27/06



NOTE:
COVER ROOF OPENINGS WITH PLYWOOD, TACK DOWN UNTIL EQUIPMENT IS SET

DOWNBLAST EXHAUST FAN DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: MMM
KROGER NW STANDARD DETAIL	NW–HSD–313

ORIGINAL ISSUE DATE 06/27/06

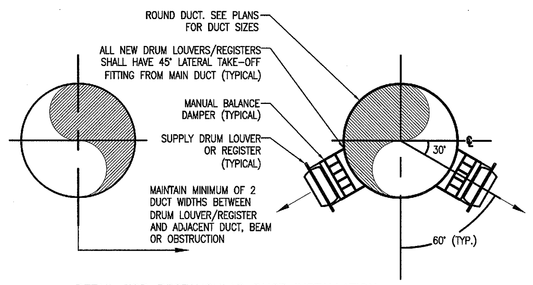


NO DAMPERS ALLOWED IN GREASE DUCT PER CODE

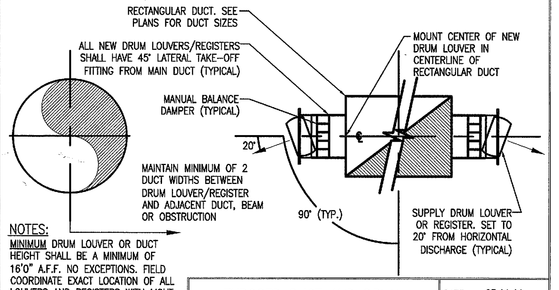
GREASE EXHAUST FAN DETAIL	DATE: 10.27.09 SCALE: NONE DRAWN: MMM
KROGER NW STANDARD DETAIL	NW–HSD–314

ORIGINAL ISSUE DATE 06/27/06

DETAIL FOR ROUND DUCT INSTALLATION



DETAIL FOR RECTANGULAR DUCT INSTALLATION



NOTES:
MINIMUM DRUM LOUVER OR DUCT HEIGHT SHALL BE A MINIMUM OF 16"Ø A.F.F. NO EXCEPTIONS. FIELD COORDINATE EXACT LOCATION OF ALL LOUVERS AND REGISTERS WITH LIGHT FIXTURES AND SIGNAGE/GRAPHICS. ADJUST DISCHARGE AND AIRFLOW AFTER SUBSTANTIAL COMPLETION AND PUNCH LIST FOR CONFLICTS AND SWAYING EQUIPMENT

EXPOSED DUCT AND DRUM LOUVER SECTION	DATE: 03.11.11 SCALE: NONE DRAWN: MMM
KROGER NW STANDARD DETAIL	NW–HSD–315

ORIGINAL ISSUE DATE 06/27/06

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12/14/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
HVAC DETAILS (SHEET 2 OF 3)

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: LR
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2157.15.7

JOB NO. 215034600.00

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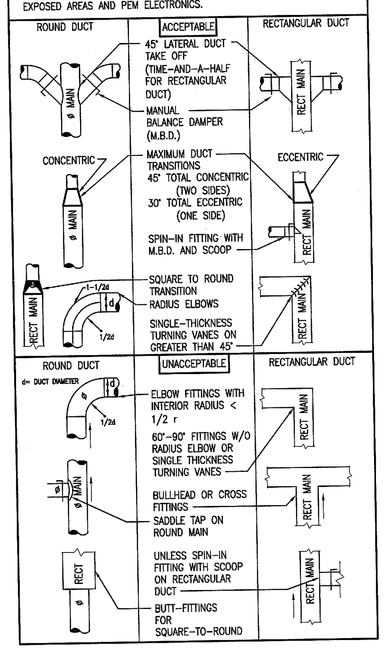
FILE: 172_M5.1 – HVAC STANDARD DETAILS.DWG – M5.2 – HVAC DETAILS | EDIT: 12/9/2015 5:35 PM BY MATTS | PLOT: 12/15/2015 2:17 PM BY LORENA RUIZ

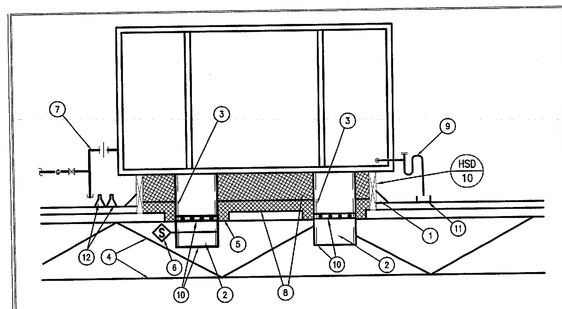
DUCTWORK CONSTRUCTION DETAILS

GENERAL NOTES:

1. ALL NEW DUCTWORK SHALL MEET SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS – METAL AND FLEXIBLE", 2005 EDITION. DUCT GAUGES, REINFORCEMENTS, METHODS OF CONNECTION, TRANSITIONS AND CONSTRUCTION WILL BE FIELD VERIFIED, MEASURED AND INSPECTED FOR COMPLIANCE. DUCTWORK NOT MEETING SMACNA'S STANDARDS WILL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE. UNLESS OTHERWISE ADDRESSED IN THE SPECIFICATIONS, THE PRESSURE CLASSIFICATION FOR ALL DUCTWORK SHALL BE 1" WATER GAUGE POSITIVE OR NEGATIVE. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS PRIOR TO SUBMITTALS OR DUCT FABRICATION AND GIVE WRITTEN DOCUMENTATION OF COMPLIANCE IN ORIGINAL PRODUCT SUBMITTALS.
2. ALL SUPPLY, RETURN,& EXHAUST BRANCH DUCTS SHALL HAVE MANUAL BALANCE DAMPERS. ALL ELBOWS GREATER THAN 45° SHALL HAVE TURNING VANES.
3. DUCT HANGERS SHALL BE METAL STRAP OR ALL-THREAD. WIRE IS NOT ACCEPTABLE.
4. MAXIMUM FLEX DUCT LENGTH 6'-0", NO FLEX DUCT ALLOWED IN ALL EXPOSED AREAS AND PEM ELECTRONICS.



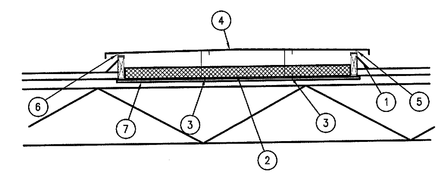
DO NOT FASTEN TO ROOF DECK:
NO SCREWS, BOLTS, NAILS OR OTHER FASTENERS SHALL BE INSTALLED ANYWHERE INTO OR THROUGH THE ROOF DECK. ALL FASTENERS ATTACHED TO OR THROUGH ROOF DECK BY THIS CONTRACTOR SHALL BE REMOVED AND REPLACED WITH STRUCTURAL SUPPORTS BETWEEN SECONDARY STRUCTURE (KICKERS) AT THIS CONTRACTOR'S EXPENSE, INCLUDING ALL CEILING REMOVAL, REPLACEMENT, REPAIR AND PAINTING. THE ONLY EXCEPTION SHALL BE FOR FASTENING AND SEISMICALLY BRACING ROOF CURBS FOR ROOFOTP MECHANICAL EQUIPMENT.



1. SET ROOF CURB ON ROOF STRUCTURE. SHIM DEAD LEVEL
2. TRANSITION TO CONNECTION SIZES IN DUCT RISE.
3. LINE SUPPLY & RETURN DUCTS W/ 1.5" ACOUSTIC LINER FOR FIRST 10'0" OF DUCT. DUCT SIZES INDICATED ARE INSIDE FREE AREA
4. REFER TO STRUCTURAL DWGS. FOR JOISTS LOCATIONS, ETC.
5. PACK OPENING BETWEEN ROOF DECK AND DUCTS WITH FIBERGLASS INSULATION (TYP)
6. SMOKE DETECTOR IN RETURN DUCT PROVIDED AND WIRED BY EMS CONTROLS CONTRACTOR, INCLUDING ALL PROGRAMMING AND TROUBLESHOOTING. MECHANICAL CONTRACTOR SHALL MOUNT SMOKE DETECTOR TO RETURN DUCT AND SEAL AIRTIGHT PER SMOKE DETECTOR INSTALLATION INSTRUCTIONS. AAON UNIT PROVIDED WITH DRY CONTACTS ONLY FOR SHUT-DOWN OF UNIT UPON DETECTION OF SMOKE PER CODE
7. GAS CONNECTION WITH GAS COCK, UNION AND DIRT LEG. REFER TO PLUMBING PLANS FOR GAS PIPE SIZES
8. FILL ROOF CURB WITH (2) 6" LAYERS R-19 UNFACED FIBER GLASS BATT INSULATION (OR EQUIVALENT) BLANKETS INSTALLED 90° PERPENDICULAR.
9. CONDENSATE DRAIN WITH CLEAN OUT AND 4" DEEP SEAL TRAP.
10. SUPPLY/RETURN DUCT. SEE MECHANICAL PLANS FOR SIZING. INSTALL OWNER SUPPLIED BURGLAR BARS AND WELD IN PLACE PER SPECS.
11. FURNISH SPLASH PAD AS REQUIRED
12. GENERAL CONTRACTOR SHALL PROVIDE TWO ROOF JACKS. ONE ROOF JACK SHALL BE PROVIDED FOR POWER WIRING AND ONE FOR CONTROL WIRING. COORDINATE LOCATIONS WITH POWER AND CONTROL CONNECTIONS ON EQUIPMENT PROVIDED

ROOFTOP UNIT INSTALLATION DETAIL	DATE: 03.11.11
	SCALE: NONE
	DRAWN: MMM
KROGER NW STANDARD DETAIL	NW-HSD-316

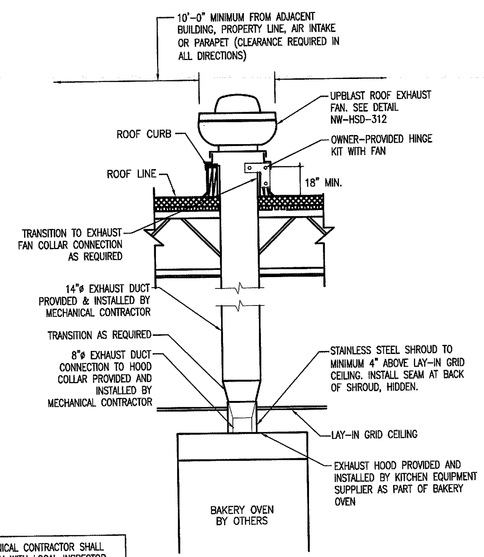
ORIGINAL ISSUE DATE 06/27/06



1. EXISTING ROOF CURB
2. FILL ROOF CURB WITH 6" THICK BATT BLANKET INSULATION
3. REINFORCE OPENINGS LARGER THAN 60" WIDE WITH WELDED STRUCTURAL STEEL MEMBERS. SIZE AND QUANTITY OF STEEL AS APPROVED BY STRUCTURAL ENGINEER
4. 18 GA MINIMUM GALVANIZED STEEL DECK OVER CURB, BREAK STEEL SO IT WILL DRAIN OFF
5. SPOT WELD GALVANIZED STEEL DECK TO EXISTING ROOF CURB @ 12" ON CENTER
6. CAULK AND SEAL ALL EDGES WATERTIGHT
7. COVER ENTIRE BOTTOM OF ROOF OPENING AT ROOF DECK WITH 5/8" SHEATHING, PLYWOOD. PRIME EXPOSED SHEATHING SIDE FOR FINAL PAINTING BY OTHERS.

ROOF CURB CAP DETAIL	DATE: 03.11.11
	SCALE: NONE
	DRAWN: MMM
KROGER NW STANDARD DETAIL	NW-HSD-319

ORIGINAL ISSUE DATE 06/27/06



MECHANICAL CONTRACTOR SHALL CONFIRM WITH LOCAL INSPECTOR THAT TYPE II HOOD PROVIDED WITH BAKERY OVEN AND ASSOCIATED GALVANIZED EXHAUST DUCT MEETS ALL STATE AND LOCAL CODES. VERIFY ALL REQUIREMENTS PRIOR TO BID.

BAKERY OVEN HOOD DETAIL (TYPE II)	DATE: 3.11.11
	SCALE: NONE
	DRAWN: MMM
KROGER NW STANDARD DETAIL	NW-HSD-320

ORIGINAL ISSUE DATE 06/27/06

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DRAWN BY: LR
CHECKED BY: NS
SHEET
M5.3

215'4.67'

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PERMIT SET: DECEMBER 21, 2015

FILE: 172_M5.1 – HVAC STANDARD DETAILS.DWG – M5.3 – HVAC DETAILS | EDIT: 12/9/2015 5:35 PM BY MATTIS | PLOT: 12/15/2015 2:17 PM BY LORENA RUIZ

ROOFTOP HEATING & AIR CONDITIONING UNIT SCHEDULE

SYMBOL	GROUP & LOCATION	TYPE	NOMINAL TONS	CFM	SPE (1)	H.P.	ELECT.	HEATING (B.T.U./HR) NATURAL GAS INPUT	HEATING (B.T.U./HR) NATURAL GAS OUTPUT	COOLING (B.T.U./HR) (2) AFUE	COOLING (B.T.U./HR) (2) BTU TOTAL	COOLING (B.T.U./HR) (2) BTU SENSIBLE	COOLING (B.T.U./HR) (2) EER (10)	O.D.A. (CFM) (7)	MANUFACTURER	ACCESSORIES CONTROLS	ACCESSORIES ROOF CURB (5)(6)	ACCESSORIES ECON.	KGO CURB P-NET #	OPERATING WEIGHT
AC 31	PHARMACY (12)	PACKAGED, GAS ROOFTOP UNIT DOWN FLOW	4	1,600	0.60"	1.0	460/60/3 MCA: 12	60,000 / 30,000	48,600 / 24,300	81%	45,000	40,000	14.6 (13)	400	AAON MODEL RQ-004-3-V-CA01-212	(8)(12)	SEISMIC CURB PROVIDED BY GENERAL CONTRACTOR & INSTALLED BY MECHANICAL CONTRACTOR	(14)	060-000 42460	1,020 lbs.

(1) WITH FILTER IN PLACE (MAXIMUM ALLOWABLE DIRTY FILTER STATIC PRESSURE LOSS = 0.35")

(2) COOLING CAPACITY BASED ON 80°DB/62°WB ENT. AIR AND 89° dB AMBIENT

(3) NEW FIELD-INSTALLED SMOKE DETECTOR SHALL BE PROVIDED, WIRED, PROGRAMMED AND TESTED INCLUDING TROUBLESHOOTING IN RETURN DUCT DROP BY CONTROLS CONTRACTOR IN ACCORDANCE WITH ALL OREGON STATE AND LOCAL CODES. THE MECHANICAL CONTRACTOR SHALL RECIEVE THE SMOKE DETECTOR FROM THE EMS CONTROLS CONTRACTOR AND MOUNT THE SMOKE DETECTOR TO THE RETURN DUCT PER THE DETECTOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING DRILLING ALL HOLES REQUIRED FOR THE DETECTOR AND PROBES. PATCH AND SEAL DUCTWORK AIRTIGHT. COORDINATE WORK WITH EMS CONTROLS CONTRACTOR AS REQUIRED. SEE 'EM' CONTROL DRAWINGS FOR SCOPE AND ALL NEW WORK. AAON ROOFTOP UNIT SHALL BE PROVIDED BY OWNER WITH SET OF CONTACTS FOR UNIT SHUTDOWN ONLY, WIRED AND INSTALLED BY CONTROLS CONTRACTOR. CONFIRM IN WRITING TROUBLE OR ALARM REPORTING REQUIREMENTS WITH LOCAL AUTHORITY HAVING JURSDICTION PRIOR TO START OF WORK.
CODE NOTE: PER 2012 INTERNATIONAL MECHANICAL CODE (IMC), SECTION 606.2, SMOKE DETECTORS ARE REQUIRED IN THE RETURN AIR SYSTEM FOR AIR HANDLING SYSTEMS ABOVE 2,000 CFM WHERE THE FOLLOWING EXCEPTION DOES NOT APPLY: "SMOKE DETECTORS SHALL NOT BE REQUIRED WHERE AIR DISTRIBUTION SYSTEMS ARE INCAPABLE OF SPREADING SMOKE BEYOND THE ENCLOSING WALLS, FLOORS AND CEILINGS OF THE ROOM OR SPACE IN WHICH THE SMOKE IS GENERATED."

(4) AC UNIT SHALL BE FURNISHED WITH STAGED HEATING CONTROLS FOR NATURAL GAS BURNER, PER WASHINGTON STATE ENERGY CODE 1

(5) COORDINATE EXACT LOCATION OF UNIT INSTALLATION WITH STRUCTURAL CONTRACTOR. PLACE UNIT TO ALLOW FULL SIZE DUCT DROPS.

(6) ROOFTOP UNIT SHALL BE PROVIDED BY THE OWNER, SEISMIC ROOF CURB SHALL BE GENERAL CONTRACTOR PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR PER THE ENGINEERED SEISMIC RESTRAINT DRAWINGS FURNISHED BY AAON, THE ROOFTOP UNIT MANUFACTURER. AC UNIT SHALL BE SHIPPED WITH CONVENIENCE OUTLET POWERED PRIOR TO DISCONNECT.

(7) OUTDOOR AIR CFM LISTED MEETS ALL MINIMUM REQUIREMENTS AS SPECIFIED BY BOTH THE 2014 WASHINGTON MECHANICAL CODE AND THE 2012 I.M.C.

(8) ROOFTOP UNIT SHALL BE SHIPPED AND WIRED WITH 'CPC' CONTROL BOARD AND REMOTE-MOUNTED TEMPERATURE SENSOR (AS REQUIRED). SEE CONTROL DRAWINGS FOR ALL CONTROLS, INCLUDING CPC REMOTE MOUNTED THERMOSTATS, SENSORS AND ACCESSORIES. SEE CONTROL DRAWINGS FOR ALL WORK AND RESPONSIBILITIES. COORDINATE WORK AS REQUIRED. UNIT SHALL BE FURNISHED WITH CONTROLS CAPABLE OF OPTIMUM START, PER WASHINGTON STATE ENERGY CODE. ALL NEW THERMOSTATS AND TEMPERATURE SENSORS SHALL MEET ALL OREGON STATE CODE REQUIREMENTS. 1

(9) AAON AC UNIT SHALL BE FACTORY-INSTALLED AND SHIPPED WITH REFRIGERANT HEAT RECLAIM COIL, SIZED AND SPECIFIED BY KROGER C.O. REFRIGERATION DIVISION. COORDINATE COIL SIZE AND ORDER WITH KROGER NW PROJECT MANAGER AND STEVE ILLY AT KROGER C.O. AND STEVE GOLDENBERG, THE AAON SUPPLIER.

(10) EER, SEER AND I.P.L.V. OF EQUIPMENT SHALL MEET THE OREGON STATE ENERGY CODE.

(11) NOT USED.

(12) REMOTE SENSOR FOR PHARMACY AC UNIT SHALL BE PROVIDED WITH KROGER GO STANDARD REMOTE SENSOR.

(13) SEER LISTED FOR THIS AC UNIT

(14) AC UNIT SHALL BE FURNISHED AND INSTALLED WITH:
a. ECONOMIZER AND RELIEF AIR SYSTEM CAPABLE OF 100% FULLY-MODULATION OUTSIDE AIR AND MINIMUM 90% RELIEF AIR 1
b. INTEGRATED OPERATION FOR PARTIAL COOLING
c. MOTORIZED DAMPERS HAVING A MAXIMUM LEAKAGE RATE OF 20 CFM/S.F. AT PRESSURE OF 1.0" W.G. WHEN TESTED IN ACCORDANCE WITH AMCA STANDARD 500-1998 (PER WASHINGTON STATE ENERGY CODE REQUIREMENTS)
d. FULLY-MODULATING OUTDOOR AIR DAMPERS AND ACTUATORS FOR FULL DEMAND CONTROL VENTILATION
ECONOMIZER PROVIDED AND SHIPPED INSTALLED IN UNIT. MECHANICAL CONTRACTOR SHALL REMOVE SHIPPING SCREWS, REORIENT OUTSIDE AIR HOOD PER INSTRUCTIONS AND INSPECT FOR PROPER OPERATION. ECONOMIZER MUST MEET ALL REQUIREMENTS OF OREGON STATE ENERGY CODE

(15) EMS CONTROLS CONTRACTOR SHALL SHALL PROVIDE, INSTALL, WIRE, PROGRAM, TROUBLESHOOT AND CONFIRM INSTALLATION OF 'CPC' COMPATIBLE CARBON DIOXIDE (CO2) MONITORING SYSTEM, INCLUDING REMOTE CO2 SENSOR, CONTROLLERS, ACCESSORIES AND ALL CONNECTIONS REQUIRED FOR DEMAND CONTROL VENTILATION. SEE 'EM' CONTROL DRAWINGS FOR ALL WORK. NOTE: SAME CO2 SENSOR MAY SERVE MULTIPLE AC UNITS IN SIMILAR COMMUNICATING AREA FOR DEMAND CONTROL VENTILATION.

EXHAUST FAN SCHEDULE

SYMBOL	LOCATION	TYPE	C.F.M.	SPE	WATTS / H.P.	CHAR.	CONTROL	SONES	MANUFACTURER	K-NUMBER	CURB AES MODEL
EF 31	DELI HOOD	CENTRIFUGAL ROOF MOUNTED UPBLAST-GREASE	2,800	0.75"	– / 1.5	208/60/3	HOOD	–	CAPTIVEAIRE: MODEL NCA18HPFA (1)(4) FACTORY ROOF CURB	K-0002408	42414
EF 32	BROILER HOOD	CENTRIFUGAL ROOF MOUNTED UPBLAST-GREASE	3,000	1.5"	– / 1.5	208/60/3	HOOD	–	CAPTIVEAIRE; MODEL NCA24HPFA (2)(4) FACTORY ROOF CURB	K-0017441	42402
EF 33	PHARMACY UNISEX: RESTROOM 136	CEILING MOUNTED EXHAUST FAN	75	0.25"	– / .03	115/60/1	LIGHTS	–	CAPTIVEAIRE; MODEL CFA150CA (4) FACTORY ROOF CAP	K-0002360	–

(1) SEE ELECTRICAL AND CONTROL DRAWINGS FOR CIRCUITING AND INTERLOCK OF EF-31 WITH SUPPLY FAN FOR AC-14 AND MAU-1. COORDINATE WITH CONTROLS AND ELECTRICAL CONTRACTORS.

(2) SEE ELECTRICAL AND CONTROL DRAWINGS FOR CIRCUITING AND INTERLOCK OF EF-32 WITH SUPPLY FAN FOR AC-14. COORDINATE WITH CONTROLS AND ELECTRICAL CONTRACTORS.

(3) EXHAUST FAN, ROOF CURB (IF APPLICABLE) AND BACKDRAFT DAMPER SHALL BE OWNER SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. CONTRACTOR TO FURNISH ALL SUPPORTS AND ACCESSORIES AS REQUIRED FOR FAN INSTALLATION. THIS FAN P-NET NUMBER, 42845, INDICATES A CUSTOM-ORDER FAN AND QUOTE THROUGH THE DIRECTBUY VENDOR CAPTIVE AIRE. INCLUDE NOTATION ON DIRECTBUY ORDER FOR CAPTIVEAIR MODEL NUMBER, HORSEPOWER AND MATCHING ROOF CURB.

(4) EXHAUST FAN, AND BACKDRAFT DAMPER (IF APPLICABLE) SHALL BE OWNER SUPPLIED, ROOF CURB (IF APPLICABLE) SHALL BE GENERAL CONTRACTOR SUPPLIES AND INSTALLED BY MECHANICAL CONTRACTOR. CONTRACTOR TO FURNISH ALL SUPPORTS AND ACCESSORIES AS REQUIRED FOR FAN INSTALLATION.

KITCHEN HOOD SCHEDULE

SYMBOL	FIXTURES SERVED	TYPE	SIZE LENGTH	SIZE DEPTH	SIZE HEIGHT	SIZE GAUGE	No. OF FILTERS	FILTER SIZE	EXHAUST FAN	EXHAUST (CFM)	EXHAUST DUCT CONN.	EXHAUST VELOCITY (FPM)	INTERLOCK (3)	WEIGHT	MANUFACTURER	KROGER GO e-PRO #
H 1	NEW MEDIUM-DUTY DELI PREP HOOD: (3) FRYERS & (1) ROTISSERIE	I	16'-0"	5'-0"	2'-0"	20	(2) (5)	16"x16" 16"x20"	EF 31	2,800	(2)10"x13"	1,540	AC-14 & MAU-1	–	KROGER GO "GE54G-16" CAPTIVEAIRE; MODEL 6024 ND (1)(2)(4)(5)(6)(7)	K-0002317
H 2	NEW HEAVY-DUTY SERVICE DELI PREP HOOD: BROILER	I	6'-0"	5'-0"	2'-0"	20	(3)	–	EF 32	3,000	14"x20"	1,545	AC-14 & MAU-1	–	KROGER GO "GE54G-6" CAPTIVEAIRE; MODEL 54-6EH (1)(2)(4)(5)(6)	K-00017436

(1) TYPE-I GREASE HOOD SHALL BE SHIPPED WITH REQUIRED U.L. LISTED KLEEN-GARD ALUMINUM BAFFLE FILTERS WITH HANDLES, INCANDESCENT LIGHTS, GREASE CUP, 12"-HIGH FIELD WRAPPER FRONT, LEFT, AND RIGHT, SEPARATE LIGHT SWITCH AND FAN SWITCH SHIPPED LOOSE WITH HOOD TO BE REMOTE WALL-MOUNTED, REMOTE MOUNTED ANSUL FIRE SYSTEM IN UTILITY CABINET WITH DETECTION KIT. ANSUL SYSTEM TO INCLUDE RELEASE MECHANISM, MICROSWITCHES AND PULL STATION AND APPLIANCE SHUT-DOWN HOOKUP (GAS VALVE BY CONTRACTOR). MECHANICAL CONTRACTOR SHALL CONFIRM IN WRITTEN REPORT ON CONDITION, QUANTITY, DAMAGE AND LIST OF ALL MISSING EQUIPMENT AND ACCESSORIES WITHIN 2 DAYS OF RECEIPT OF HOOD PACKAGING AND EQUIPMENT.

(2) SEE ELECTRICAL DRAWINGS FOR WIRING AND CONTROLS. COORDINATE ALL WORK WITH ELECTRICAL AND EMS CONTROLS CONTRACTORS.

(3) EXHAUST HOOD SHALL BE ELECTRICALLY INTERLOCKED WITH THE EQUIPMENT LISTED IN THIS COLUMN BY THE EMS CONTROLS CONTRACTOR. THE EXHAUST FAN ASSOCIATED WITH THIS HOOD SHALL COMMAND ON THE INDOOR FAN FOR THE EQUIPMENT LISTED.

(4) PROVIDE HOOD WITH VAPOR PROOF INCANDESCENT LIGHT FIXTURES PRE-WIRED TO JUNCTION BOX ON TOP OF HOOD. QUANTITY INDICATED IN DIRECT BUY SUBMITTALS. VERIFY QUANTITY AND INSTALLATION REQUIREMENTS PRIOR TO INSTALLATION

(5) EXHAUST HOOD SHALL BE PROVIDED BY OWNER AND RECEIVED, STORED, PROTECTED, INSTALLED BY AND SEISMICALLY BRACED BY THE MECHANICAL CONTRACTOR.

(6) PERFORMANCE TESTS WILL BE REQUIRED TO BE PERFORMED FOR ALL TYPE I HOODS BY THE MECHANICAL CONTRACTOR PER IMC SECTION 507.16, AND APPROVED BY THE CITY MECHANICAL AND FIRE INSPECTORS, AS APPLICABLE. MECHANICAL CONTRACTOR SHALL COORDINATE ALL TESTS WITH INSPECTOR, TAB CONTRACTOR, GENERAL CONTRACTOR AND KROGER NW PROJECT MANAGER, WITH A MINIMUM OF 7 DAYS NOTICE TO ALL PARTIES.

(7) MEDIUM-DUTY DELI PREP HOOD, H-1, SHALL BE RECEIVED BY MECHANICAL CONTRACTOR AND SHALL BE INSTALLED PER CAPTIVEAIRE MANUFACTURER'S UL LISTED INSTALLATION INSTRUCTIONS, ALL UL LISTINGS AND LOCAL CODE REQUIREMENTS. NEW GREASE FAN, EF-31, SHALL EXHAUST BOTH EXHAUST COLLARS CONNECTIONS OF HOODS, WITH EQUAL DISTANCE GREASE DUCTS TO MAIN EA DUCT TO ALLOW FOR IDENTICAL AIRFLOW QUANTITIES.

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HVAC SCHEDULES

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PERMIT CENTER

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PERMIT SET: DECEMBER 21, 2015

HVAC 'SEQUENCE OF OPERATIONS'

FRED MEYER STORE 00172 KENT, WASHINGTON
HVAC SEQUENCE OF OPERATIONS

I. ROOFTOP UNITS (GAS HEAT, ELECTRIC COOL WITH FULL 100% ECONOMIZERS)
FOR ALL AC UNITS

THE OCCUPANCY MODE (OCCUPIED OR UNOCCUPIED) SHALL BE DETERMINED THROUGH A USER-ADJUSTABLE, SEVEN-DAY SCHEDULE. WHENEVER THE SUPPLY FAN IS DE-ENERGIZED, AS SENSED BY THE STATUS SWITCH, THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE OPEN (REQUIRED BY STATE ENERGY CODE), THE GAS BURNER SHALL BE DE-ENERGIZED AND DX COOLING SHALL BE DE-ENERGIZED.

A. OCCUPIED MODE

1. THE SUPPLY FAN SHALL BE ENERGIZED. THE SUPPLY FAN SHALL RUN 100% OF THE TIME DURING ALL OCCUPIED PERIODS.

2. THE OUTSIDE AIR DAMPER SHALL OPEN TO THE PREDETERMINED MINIMUM POSITION. THE OUTSIDE AIR DAMPER SHALL NOT CLOSE BELOW THE MINIMUM POSITION REQUIRED FOR OUTSIDE AIR VENTILATION. THIS POSITION SHALL BE SET IN CONJUNCTION WITH THE BALANCE CONTRACTOR.

3. THERE SHALL BE SEPARATE HEATING AND COOLING SPACE TEMPERATURE SETPOINTS WITH A 5°F DEADBAND BETWEEN THE HEATING AND COOLING
A. OCCUPIED SETPOINTS:
1) HEATING SETPOINT 70°F (ADJUSTABLE)
2) COOLING SETPOINT 75°F (ADJUSTABLE)

4. THE STAGED HEATING BURNER AND MIXED AIR DAMPERS SHALL MODULATE AND THE DX COOLING SHALL STAGE IN SEQUENCE TO MAINTAIN OCCUPIED SPACE TEMPERATURE SETPOINT. THE DX UNIT SHALL STAGE UP OR DOWN IF A STEADY TEMPERATURE ERROR EXCEEDS 2°F (ADJUSTABLE). PROVIDE DEADBAND BETWEEN HEATING AND ECONOMIZER COOLING SETPOINTS.

5. ECONOMIZER COOLING IS ENABLED WHENEVER THE OUTSIDE AIR DRY BULB IS LESS THAN THE RETURN AIR DRY BULB MINUS DIFFERENTIAL AND THE SPACE TEMPERATURE IS ABOVE SETPOINT. WHEN THE OUTSIDE AIR DRY BULB IS GREATER THAN THE RETURN AIR DRY BULB, ECONOMIZER COOLING IS DISABLED. WHEN THE ECONOMIZER COOLING MODE IS ENABLED, THE MIXED AIR DAMPERS SHALL MODULATE TO MAINTAIN THE OCCUPIED SPACE TEMPERATURE SETPOINT. THERE SHALL BE A MIXED AIR LOW LIMIT FUNCTION TO MODULATE THE MIXED AIR DAMPERS CLOSED TO PREVENT THE MIXED AIR TEMPERATURE FROM DROPPING BELOW THE MIXED AIR LOW LIMIT SETPOINT OF 45°F (ADJUSTABLE).

6. DX COOLING:
A. IF THE OUTSIDE AIR TEMPERATURE IS GREATER THAN THE DX LOCK-OUT TEMPERATURE AND THE SYSTEM IS NOT IN MORNING WARM-UP, DX COOLING SHALL BE ENABLED.
B. DX OPERATION SHALL OBSERVE THE FOLLOWING TIMING CONSTRAINTS:
1) WHEN A COOLING STAGE IS CALLED TO RUN, IT WILL RUN FOR AT LEAST THE DX MINIMUM ON-TIME.
2) WHEN A COOLING STAGE CYCLES OFF, IT WILL REMAIN OFF FOR AT LEAST THE DX MINIMUM OFF-TIME.
C. DX OPERATION SHALL OBSERVE THE FOLLOWING PERFORMANCE CONSTRAINTS
1) UNDER A STEADY PARTIAL LOAD, IF THE SYSTEM CYCLES, THE CYCLING MUST BE LIMITED TO A SINGLE STAGE, WHILE THE OTHERS STAY ON OR OFF.
2) UNDER A STEADY PARTIAL LOAD, IF THE SYSTEM STABILIZES, THE SPACE TEMPERATURE ERROR MUST BE LESS THAN THE DX TEMPERATURE DEADBAND.
D. SAFETY TRIPS AND LOSS OF FAN STATUS SHALL OVERRIDE THE TIME DELAYS AND DE-ENERGIZE ALL COOLING STAGES.

7. DEMAND CONTROL VENTILATION, CO2 MONITORING AND CONTROL OF OUTSIDE AIR QUANTITY
A. WHEN IN OCCUPIED MODE, AND NOT IN ECONOMIZER MODE, THE DEMAND CONTROL VENTILATION SHALL GOVERN THE POSITION OF THE OUTSIDE AIR DAMPER FOR EACH APPLICABLE ROOFTOP UNIT.
B. MINIMUM OUTDOOR AIR QUANTITIES ARE BASED ON BOTH ASHRAE STANDARD 62.1-2004 TABLE 6-1 AND STATE OF OREGON'S VENTILATION CODE, CHAPTER, TABLE 403.3.
C. OUTDOOR AIR QUANTITIES SHALL BE BASED ON DIFFERENTIAL BETWEEN INDOOR AND OUTDOOR CO2 MEASURED CONCENTRATIONS (PPM), TERMED 'CO2 LEVEL' FROM THIS POINT FORWARD. (CO2 INDOORS – CO2 OUTDOORS = CO2 LEVEL)
D. THE DEFAULT CO2 CALCULATIONS ARE BASED ON AN ASSUMED OUTDOOR CO2 LEVEL OF 400 PPM. AN OUTDOOR AIR CO2 MONITOR IS SHOWN ON THE HVAC DRAWINGS AND WILL BE REQUIRED FOR MEASURING ALL OUTDOOR CO2 CONCENTRATIONS AND DETERMINING THE ACTUAL REAL-TIME CO2 LEVEL (INDOOR TO OUTDOOR DIFFERENTIAL) FOR THE BUILDING SPACES.
E. MINIMUM DAMPER POSITION IS SET TO PROVIDE THE MINIMUM OCCUPIED REQUIRED OUTDOOR AIR QUANTITIES PER THE ABOVE REFERENCED STANDARDS.
F. THE MECHANICAL CONTRACTOR AND AIR BALANCE CONTRACTOR SHALL SET DAMPERS IN THE MINIMUM AND MAXIMUM POSITIONS SHOWN IN THE SCHEDULE LISTED BELOW AT THE CORRESPONDING CO2 LEVELS. AIR BALANCE REPORT SHALL INCLUDE FIELD MEASURED FLOW RATES FOR THE MINIMUM AND MAXIMUM OUTSIDE AIR DAMPER POSITIONS.
G. MECHANICAL CONTRACTOR AND EMS CONTROLS CONTRACTOR SHALL NOTIFY COMMISSIONING AGENT, GENERAL CONTRACTOR, KROGER PROJECT MANAGER AND MECHANICAL ENGINEER WHEN THIS AIR BALANCE HAS BEEN COMPLETED AND SHALL PROVIDE A PERFORMANCE DEMONSTRATION ON-SITE TO THE COMMISSIONING AGENT TO DEMONSTRATE THAT THE UNITS ARE MODULATING THE OUTSIDE AIR DAMPERS BETWEEN THE MINIMUM AND MAXIMUM SETTINGS BASED ON CO2 CONCENTRATIONS AND CO2 LEVELS AS INDICATED.

9. THE SOFTWARE SHALL PREVENT:
A. THE HEATING SETPOINT FROM EXCEEDING THE COOLING SETPOINT MINUS 5°F (I.E. THE MINIMUM DEADBAND SHALL BE 5°F);
B. THE UNOCCUPIED HEATING SETPOINT FROM EXCEEDING THE OCCUPIED HEATING SETPOINT; AND THE UNOCCUPIED COOLING SETPOINT FROM BEING LESS THAN THE OCCUPIED COOLING SETPOINT.

B. UNOCCUPIED MODE

1. UNOCCUPIED OFF: THE SUPPLY FAN SHALL BE DE-ENERGIZED EXCEPT WHEN OPERATION IS CALLED FOR AS DESCRIBED BELOW. OUTSIDE AIR DAMPERS AND EXHAUST DAMPERS SHALL BE CLOSED AND RETURN AIR DAMPER OPEN (STATE ENERGY CODE REQUIREMENT).

2. UNOCCUPIED SETBACK: THE SUPPLY FAN SHALL CYCLE ON WITH THE OUTSIDE AND EXHAUST DAMPERS CLOSED AND RETURN DAMPER OPEN WHEN THE SPACE TEMPERATURE DROPS BELOW THE UNOCCUPIED SPACE TEMPERATURE SETPOINT OF 65°F (ADJUSTABLE). WHEN THE FAN IS ENERGIZED, THE HEATING VALVE SHALL MODULATE TO MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT OF 85°F (ADJUSTABLE).

B. UNOCCUPIED SETPOINTS:
1) HEATING SETPOINT 65°F (ADJUSTABLE)
2) COOLING SETPOINT 85°F (ADJUSTABLE)

3. CO2 DEMAND VENTILATION: THIS SHALL BE DISABLED DURING THE UNOCCUPIED MODE.

4. OUTDOOR AIRFLOW MONITORING SYSTEM: THIS SHALL BE DISABLED DURING THE UNOCCUPIED MODE.

5. MORNING WARM-UP: IF THE SPACE IS BELOW THE OCCUPIED TEMPERATURE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS BELOW 40°F (ADJUSTABLE) MORNING WARM-UP SHALL BE INITIATED AT A PREDETERMINED TIME. THE OUTSIDE AIR DAMPERS SHALL BE CLOSED DURING THE MORNING WARM-UP CYCLE. IF THE SPACE TEMPERATURE IS BELOW OCCUPIED SPACE TEMPERATURE SETPOINT, THE SUPPLY FAN SHALL ENERGIZE, THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED, RETURN AIR DAMPER OPEN, AND THE UNIT SHALL WARM THE SPACE TO SETPOINT BY RAISING THE UNIT SUPPLY TEMPERATURE TO 95°F (ADJUSTABLE) UNTIL THE SPACE TEMPERATURE EQUALS THE OCCUPIED SPACE TEMPERATURE SETPOINT. IF THE SPACE REACHES THE OCCUPIED SPACE TEMPERATURE SETPOINT BEFORE OCCUPANCY, THE SYSTEM SHUTS OFF. IF OCCUPANCY OCCURS BEFORE THE SPACE REACHES THE HEATING SETPOINT, THE SYSTEM SWITCHES TO OCCUPIED MODE. MORNING WARM-UP SHALL OCCUR ONLY ONCE IN A DAY.

6. MORNING PRE-COOLING: PRE-COOLING SHALL OCCUR ONLY DURING THE SUMMER MONTHS OF MAY THROUGH SEPTEMBER. IF SPACE TEMPERATURE EXCEEDS THE PRE-COOLING SPACE TEMPERATURE SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS BELOW 60°F, MORNING PRE-COOLING MAY BEGIN. THE UNIT SHALL START IN THE MORNING PRE-COOL MODE AS DETERMINED BY AN OPTIMUM START PROGRAM AT THE LATEST POSSIBLE TIME TO HAVE THE SPACE AT THE PRE-COOLING SPACE TEMPERATURE SETPOINT AT OCCUPANCY TIME. THE OUTSIDE AIR, RETURN AND EXHAUST AIR DAMPERS SHALL MODULATE TO PROVIDE 55°F (ADJUSTABLE) SUPPLY AIR UNTIL THE SPACE TEMPERATURE FALLS BELOW THE PRE-COOLING SPACE TEMPERATURE SETPOINT. HEATING AND MECHANICAL COOLING SHALL BE DISABLED. IF THE SPACE REACHES THE PRE-COOLING SETPOINT BEFORE OCCUPANCY, THE SYSTEM SHUTS OFF. IF OCCUPANCY OCCURS BEFORE THE SPACE REACHES THE PRE-COOLING SETPOINT, THE SYSTEM SWITCHES TO OCCUPIED MODE. MORNING PRE-COOLING SHALL OCCUR ONLY ONCE IN A DAY.

C. SAFETY SHUTDOWNS

1. DUCT SMOKE DETECTION, SPACE SMOKE DETECTION, AND LOW TEMPERATURE LIMIT TRIPS SHALL DE-ENERGIZE THE SUPPLY FAN AND CLOSE THE OUTSIDE AIR AND EXHAUST AIR DAMPERS. MANUAL RESET OF THE TRIPPED DEVICE SHALL BE REQUIRED TO RESTART THE SYSTEM.

2. WHEN THE OA TEMPERATURE IS BELOW THE OUTSIDE AIR LOW TEMPERATURE PROTECTION SETPOINT 35°F (ADJUSTABLE) AND THE ROOFTOP UNIT HAS SHUT DOWN IN ALARM, THE HEATING BURNER AND COOLING MODES SHALL CYCLE AS DESCRIBED IN UNOCCUPIED MODE.

END OF ROOFTOP UNIT SEQUENCE OF OPERATION

DEMAND CONTROL VENTILATION SCHEDULE

AC UNIT #	SERVES	MIN OSA DAMPER POSITION CO2 (PPM)	MIN OSA DAMPER POSITION OSA (CFM)	MAX OSA DAMPER POSITION CO2 (PPM)	MAX OSA DAMPER POSITION OSA (CFM)
AC-31	PHARMACY	500	400	1000	1600

NOTES:
1. ONE CO MONITOR IS SHOWN ON HVAC PLAN FOR EACH SET OF AC UNIT GROUPS SHOWN ABOVE
2. BOLD INDICATES UNIT WITH CO CLOSEST TO THIS AC UNITS T-STAT/UNIT CONTROL BOARD
3. DIFFERENCE BETWEEN MIN OSA AND MAX OSA FOR BUILDING IS 1,000 CFM TOTAL

A. WHEN IN OCCUPIED MODE, AND NOT IN ECONOMIZER MODE, THE DEMAND CONTROL VENTILATION SHALL GOVERN THE POSITION OF THE OUTSIDE AIR DAMPER FOR EACH APPLICABLE ROOFTOP UNIT.
B. MINIMUM OUTDOOR AIR QUANTITIES ARE BASED ON 2014 WASHINGTON MECHANICAL CODE, TABLE 403.3 VENTILATION QUANTITIES.
C. OUTDOOR AIR QUANTITIES SHALL BE BASED ON DIFFERENTIAL BETWEEN INDOOR AND OUTDOOR CO MEASURED CONCENTRATIONS (PPM), TERMED 'CO LEVEL' FROM THIS POINT FORWARD. (CO INDOORS – CO OUTDOORS = CO LEVEL)
D. THE DEFAULT CO CALCULATIONS ARE BASED ON AN ASSUMED OUTDOOR CO CONCENTRATION OF 400 PPM. AN OUTDOOR AIR CO MONITOR IS SHOWN ON THE HVAC DRAWINGS AND WILL BE REQUIRED FOR MEASURING ALL OUTDOOR CO CONCENTRATIONS AND DETERMINING THE ACTUAL REAL-TIME CO LEVEL (INDOOR TO OUTDOOR DIFFERENTIAL) FOR THE BUILDING SPACES.
E. MINIMUM DAMPER POSITION IS SET TO PROVIDE THE MINIMUM OCCUPIED REQUIRED OUTDOOR AIR QUANTITIES PER THE ABOVE REFERENCED STANDARDS.
F. THE MECHANICAL CONTRACTOR AND AIR BALANCE CONTRACTOR SHALL SET DAMPERS IN THE MINIMUM AND MAXIMUM POSITIONS SHOWN IN THE SCHEDULE LISTED ABOVE AT THE CORRESPONDING CO LEVELS. AIR BALANCE REPORT SHALL INCLUDE FIELD MEASURED FLOW RATES FOR THE MINIMUM AND MAXIMUM OUTSIDE AIR DAMPER POSITIONS.
G. MECHANICAL CONTRACTOR AND EMS CONTROLS CONTRACTOR SHALL NOTIFY COMMISSIONING AGENT (IF APPLICABLE), GENERAL CONTRACTOR, KROGER PROJECT MANAGER AND MECHANICAL ENGINEER WHEN THIS AIR BALANCE HAS BEEN COMPLETED AND SHALL PROVIDE A PERFORMANCE DEMONSTRATION ON-SITE TO THE COMMISSIONING AGENT OR MECHANICAL ENGINEER TO DEMONSTRATE THAT THE UNITS ARE MODULATING THE OUTSIDE AIR DAMPERS BETWEEN THE MINIMUM AND MAXIMUM SETTINGS BASED ON CO LEVELS INDICATED.

1. OUTDOOR AIRFLOW MONITORING SYSTEM
A. THIS SYSTEM SHALL BE INSTALLED AS A MONITORING AND ALARM SYSTEM ONLY AND IS NOT INTENDED AS A CONTROLS SEQUENCE FOR MODULATING OUTDOOR AIR DAMPERS OR RESPECTIVE AIRFLOW QUANTITIES. THIS SEQUENCE IS REQUIRED FOR NOTIFICATION AND ALARM SYSTEMS ONLY TO USER INTERFACE, AS REQUIRED BY USGBC'S RELATIVE LEED NC 2.2 EQ CREDITS.
B. ALL ROOFTOP UNITS SERVING NON-DENSELY OCCUPIED AREAS (BELOW 25 PEOPLE/1,000 SQUARE FEET) SHALL BE INSTALLED WITH THE OUTDOOR AIRFLOW MONITORING SYSTEM. SEE THE NEW AC UNIT SCHEDULE ON SHEET M6.1 FOR A COMPLETE LIST OF ALL AC UNITS REQUIRING THIS MONITORING SYSTEM.
C. OUTDOOR AIRFLOW MONITORING SYSTEM SHALL BE INTEGRATED AND PROGRAMMED INTO 'CPC' EMS SYSTEM TO ALARM THE USER INTERFACE IN THE EMS WITH BOTH AUDIBLE AND VISUAL ALARMS WHEN OUTDOOR AIR QUANTITIES FALL MORE THAN 15% BELOW THE MINIMUM OUTDOOR AIR SETTING.
D. A MANUAL RESET IN THE USER INTERFACE OF THE EMS WILL BE REQUIRED TO TURN 'OFF' THE ALARMS AND RESET THE SYSTEM TO NORMAL OPERATION.

ROOFTOP CURB SCHEDULE

QUANTITY	CURB SIZE (LxWxH) (*1,*2)	ROOF ACCESSORY	AES NUMBER
1	77-1/2" X 39-1/4" X 20"	AC-31	42460
1	28-1/2" X 26-1/2" X 30"	EF-31	42414
1	28-1/2" X 26-1/2" X 30"	EF-32	42402
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-A	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-B	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-C	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-D	42447
1	151-1/2" X 16" X 6"	REFRIGERATION ROOFTOP CONDENSER RT-E	42447

(*1) NOMINAL SIZE. CONFIRM EXACT SIZE WITH EQUIPMENT MANUFACTURER.
(*2) HEIGHT SHOWN IS THE DIMENSION AT THE UPPER SIDE OF ROOF. SLOPE OF CURB TO MATCH ROOF SLOPE.

NEW DUCT INSULATION SPECIFICATIONS

DUCT TYPE	DUCT LOCATION	OTHER REQUIREMENTS	INSULATION R-VALUE
SUPPLY, RETURN	NOT WITHIN CONDITIONED SPACE: ON EXTERIOR OF BUILDING, ON ROOF, IN ATTIC, IN ENCLOSED CEILING SPACE, IN WALLS, IN GARAGE, IN CRAWL SPACE	APPROVED WEATHER PROOF BARRIER	R-8
OUTSIDE AIR	WITHIN CONDITIONED SPACE	SEE OREGON ENERGY CODE	R-8
SUPPLY, RETURN, OUTSIDE AIR INTAKE	NOT WITHIN CONDITIONED SPACE: IN CONCRETE, IN GROUND	SEE OREGON ENERGY CODE	R-5.3
SUPPLY WITH SUPPLY AIR TEMP <55°F OR >105°F	WITHIN CONDITIONED SPACE	SEE OREGON ENERGY CODE	R-5.3

NOTES:
1. ALL NEW AND RELOCATED DUCTS SHALL MEET OR EXCEED THE SPECIFICATIONS LISTED. EXISTING, REUSED DUCTS ARE NOT REQUIRED TO MEET THE SPECIFICATIONS LISTED
2. REQUIREMENTS APPLY TO THE DUCT TYPE LISTED WHETHER HEATED OR MECHANICALLY COOLED. MECHANICALLY COOLED DUCTS REQUIRING INSULATION SHALL HAVE A VAPOR RETARDER, WITH A PERM RATING NOT GREATER THAN 0.5 AND ALL JOINTS SEALED
3. ALL SPECIFICATIONS AND REQUIREMENTS LISTED SUPERSEDE AND OVERRIDE ALL REQUIREMENTS LISTED IN SPECIFICATIONS BOOK

INSULATION TYPES: MINIMUM DENSITIES AND OUT OF PACKAGE THICKNESS. NOMINAL R-VALUES ARE FOR THE INSULATION AS INSTALLED AND DO NOT INCLUDE AIR FILM RESISTANCE.

INSTALLED:
R-5.3 2.0 INCH 0.75 LB/CU.FT. MINERAL OR GLASS FIBER BLANKET, 1.5 INCH 1.5 TO 3.0 LB/CU.FT. DUCT LINER, MINERAL OR GLASS FIBER BLANKET, 1.5 INCH 3.0 TO 7.0 LB/CU.FT. MINERAL OR GLASS FIBER BOARD OR EQUIVALENT TO PROVIDE AN INSTALLED TOTAL THERMAL RESISTANCE OF AT LEAST R-5.3
R-8.0 3.0 INCH 1.0 LB/CU.FT. MINERAL OR GLASS FIBER BLANKET, 2.0 INCH 1.5 TO 3.0 LB/CU.FT. DUCT LINER, MINERAL OR GLASS FIBER BLANKET, 2.0 INCH 3.0 TO 8.0 LB/CU.FT. MINERAL OR GLASS FIBER BOARD OR EQUIVALENT TO PROVIDE AN INSTALLED TOTAL THERMAL RESISTANCE OF AT LEAST R-8.0

OUTDOOR AIR VENTILATION TABLE

AC UNITS	AREA SERVED	NET AREA BASIS: CFM PER SQ.FT. TABLE 403.3	NET AREA BASIS: NET OCCUP. SPACE (SF)	OCCUPANCY BASIS: CFM PER PERSON TABLE 403.3	OCCUPANCY BASIS: NO. OF PEOPLE	REQ'D VENTILATION	SUPPLIED VENTILATION
AC-31	PHARMACY	0.18	1,713	5	17	394	400
	TOTAL OF 'NET' OCCUPIABLE FLOOR AREA:	1,713		OA CFM TOTALS:		394	400

NOTES:

1. EXACT "ANTICIPATED VENTILATION OCCUPANTS LOAD" AND OUTDOOR AIR QUANTITY RATES USED IN THIS TABLE ARE TAKEN DIRECTLY FROM STATE OF 2014 WASHINGTON MECHANICAL CODE, SECTION 403.3 AND TABLE 403.3.
2. ALL NON HABITBAL AND CLOSET AREAS NOT INCLUDED IN TABLE ABOVE
3. ALL OUTSIDE AIR CALCULATIONS BASED ON AREAS LISTED 'NET' AREA OF SALES SPACE, NOT INCLUDING FLOOR SPACE TAKEN BY GONDOLAS, SHELVING, CASES AND OTHER PRODUCT/SALES DISPLAYS

GRILLE, REGISTER & DIFFUSER SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER
LCD	LAY-IN CEILING DIFFUSER	TITUS MODEL TMSA ADJUSTABLE AIRFLOW W/ 24"x24" CEILING PAN W/ TYPE 3 BORDER FOR LAY-IN CEILING. FACTORY WHITE FINISH.
LTDC	CEILING DIFFUSER: ROUND NECK, LAY-IN	TITUS MODEL TDC LOUVERED DIFFUSER W/ TYPE 3 BORDER FOR LAY-IN CEILING. FACTORY WHITE FINISH. FIELD VERIFY EXACT SIZE OF DIFFUSER NECK PRIOR TO ORDERING.
TDC CD	CEILING DIFFUSER: ROUND NECK, SURFACE MOUNT	TITUS MODEL TDC LOUVERED DIFFUSER W/ MATCHING BORDER FOR SURFACE MOUNT. FACTORY WHITE FINISH. FIELD VERIFY EXACT SIZE OF DIFFUSER NECK PRIOR TO ORDERING.
SSR	SIDEWALL SUPPLY REGISTER	TITUS MODEL 300RL W/ TWO-DIRECTIONAL BLADES & TYPE 1 BORDER FOR SURFACE MOUNT INSTALLATION. FACTORY WHITE FINISH (1)
DL	SUPPLY DRUM LOUVERS	TITUS MODEL DL WITH ADJUSTABLE CORE AND BLADES WITH TYPE 1 BORDER FOR FREE STANDING INSTALLATION. FACTORY WHITE FINISH.
RSG	RETURN SIDEWALL GRILLE	TITUS MODEL 350RL STEEL GRILLE WITH ¾" SPACING WITH TYPE 1 BORDER FOR FREE STANDING INSTALLATION. FACTORY WHITE FINISH. (1)
LRG	LAY-IN RETURN AIR GRILLE	TITUS MODEL 50F W/ TYPE 3 BORDER FOR LAY-IN CEILING. FACTORY WHITE FINISH (1)
RG	RETURN AIR GRILLE	TITUS MODEL 50F W/ TYPE 1 BORDER FOR SURFACE MOUNT. FACTORY WHITE FINISH (1)
LEG	LAY-IN EXHAUST AIR GRILLE	TITUS MODEL 50F W/ TYPE 3 BORDER LAY-IN CEILING. FACTORY WHITE FINISH (1)
EG	EXHAUST GRILLE	TITUS MODEL 50F W/ TYPE 1 BORDER FOR SURFACE MOUNT. FACTORY WHITE FINISH (1)
LTG	LAY-IN TRANSFER AIR GRILLE	TITUS MODEL 50F W/ TYPE 3 BORDER LAY-IN CEILING. FACTORY WHITE FINISH (1)
TG	TRANSFER GRILLE	TITUS MODEL 50F W/ TYPE 1 BORDER FOR SURFACE MOUNT. FACTORY WHITE FINISH (1)

(1) PAINT VISIBLE DUCTWORK BEHIND GRILLES FLAT BLACK

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
HVAC SCHEDULES

DRAWN BY: LR

CHECKED BY: NS

SHEET
M6.2

JOB NO. 215034600.00

PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
(N)	NEW
(R)	RELOCATE / RELOCATED LOCATION
(X)	REMOVE
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CD	CONDENSATE DRAIN
CL	CENTERLINE
CONT.	CONTINUATION
CV	CHECK VALVE
CW	COLD WATER
DIA	DIAMETER
EL	ELEVATION
ELECT	ELECTRICAL
FC	FLEXIBLE CONNECTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD, HUB DRAIN
HP	HEAT PUMP, HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HWR	HOT WATER RETURN
HY	HYDROGEN
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN, "	INCHES
LBS.	POUNDS
MH	MOUNTING HEIGHT
MIN	MINIMUM
MW	MAKE-UP WATER
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OVERFLOW DRAIN, OUTSIDE DIAMETER
P	PLUMBING, PUMP
PD	PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RET	RETURN
SF	SQUARE FEET
SOV	SHUT OFF VALVE
T	TEMPERATURE, THERMOMETER
TEMP	TEMPERATURE
U, UR	URINAL
V	VACUUM, VENT, VOLT
VEL	VELOCITY
W	WITH
WC	WATER COLUMN

General

- EXISTING WORK
- NEW WORK

Piping Fittings

- CAP
- FCO — FLOOR CLEANOUT
- FD — FLOOR DRAIN
- FS — FLOOR SINK
- HOSE BIBB
- HD — HUB DRAIN
- PIPE BELOW GRADE
- PIPE DROP
- PIPE RISE
- PUMP
- RD — ROOF DRAIN
- TEE DOWN ON PIPE
- TEE UP ON PIPE
- VTR — VENT THROUGH ROOF
- WCO — WALL CLEANOUT

Piping Systems

- -X-X-X-X-X- PIPING TO BE REMOVED
- ----120°HW- 120° HOT WATER PIPING
- ----120°HWR- 120° HOT WATER RETURN PIPING
- ----140°HW- 140° HOT WATER PIPING
- ----140°HWR- 140° HOT WATER RETURN PIPING
- COLD WATER PIPING
- —CW— COMBINED WASTE AND VENT PIPING
- —D— CONDENSATE / INDIRECT DRAIN PIPING
- —FW— FILTERED WATER
- —GW— GREASE WASTE ABOVE GRADE OR FINISHED FLOOR
- —GW— GREASE WASTE BELOW GRADE OR FINISHED FLOOR
- HOT WATER PIPING
- HOT WATER RETURN PIPING
- —2#G— NATURAL GAS PIPING, 2 LB
- —G— NATURAL GAS PIPING, 7" WC PRESSURE
- —NP— NON-POTABLE COLD WATER PIPING
- —PD— PUMPED DISCHARGE
- —RO— REVERSE OSMOSIS WATER
- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR

Valves

- X GPM — BALANCING VALVE
- CHECK VALVE
- GLOBE VALVE
- PRESSURE REDUCING VALVE
- SHUTOFF VALVE, GENERAL

GENERAL NOTES

1. PLUMBER SHALL COORDINATE THE LOCATION OF VENTS THROUGH ROOF WITH ROOFTOP UNIT AIR INTAKE LOCATIONS. VENTS MUST BE A MINIMUM 10'-0" FROM AIR INTAKES, PER CODE.
2. DO NOT ATTACH SCREWS, NAILS, HANGERS OR FASTENERS OF ANY TYPE TO ROOF DECK.
3. ALL PIPE DROPS IN SALES AREA FROM ROOF TO LOW WALLS OR EQUIPMENT SHALL BE COORDINATED AND GROUPED TOGETHER WITH OTHER MECHANICAL PIPES.
4. NO SURFACE MOUNTED WATER OR VENT LINES PERMITTED EXPOSED IN PREP ROOMS.
5. ALL CASE DRAINS MUST BE ACCESSIBLE AND SCREENED TO PREVENT RODENT ENTRY.
6. ALL PLUMBING FIXTURES OR EQUIPMENT DRAINING INTO THE SANITARY SEWER SYSTEM VIA AN INDIRECT WASTE CONNECTION SHALL HAVE A 1" AIR GAP AS REQUIRED BY UNIFORM PLUMBING CODE.
7. PLUMBER SHALL INSTALL CHECK VALVES IN HOT & COLD WATER SUPPLY LINES TO OWNER FURNISHED FOOD PREP AND UTENSIL STAINLESS STEEL SINKS IN PREP AREAS.
8. ALL WATER HEATERS SHALL BE SET AT 110° F.
9. SHORTEN OR EXTEND ALL EXISTING FLOOR CLEANOUTS AND FLOOR DRAINS TO REFINISHED CONCRETE FLOOR LEVEL INCLUDING GRINDING, DEMOLITION, REPLACEMENT AND WASTE PIPING MODIFICATIONS AS REQUIRED FOR EXISTING CONDITIONS. SAW-CUT, PATCH AND FINISH CONCRETE FLOOR BACK TO MATCH AS REQUIRED. FIELD VERIFY AND COORDINATE ALL WORK WITH GENERAL CONTRACTOR PRIOR TO BID.
10. PROVIDE TRAP PRIMERS TO ALL HUB DRAINS, FLOOR DRAINS AND TRENCH DRAINS FLOOR DRAINS, A TRAP PRIMING DEVICE SHOULD BE LOCATED OUT OF CUSTOMERS' VIEW.
11. CONTRACTOR TO CLEAN AND VERIFY CONDITION OF ALL EXISTING GREASE TRAPS, IF EXISTING GREASE TRAPS ARE NEEDING TO BE REPLACE CONTRACTOR TO LET ARCHITECT AND ENGINEERING KNOW IN WRITING BEFORE STARTING WORK.
12. REPAIR FROZEN CASE PIPING INSULATION, INSTALL PROPER HANGERS TYPICAL.

GAS CALCULATIONS

FIXTURE	DESCRIPTION	NO. OF FIXT.	CFH INPUT	TOTAL CFH/HR
EXISTING				
1	EXISTING GAS LOAD	1	6,730	6,730
NEW EQUIPMENT				
AC-31	HVAC EQUIPMENT	1	60	60
				0
	TOTAL DEMAND (CFH)			6,790

SIZING BASED ON 2012 IFGC

[2 PSI] [STD] SUPPLY PRESSURE WITH [1.0] PRESSURE DROP
[500] FEET DEVELOPED LENGTH

4"	CFH	24,000
3-1/2"	CFH	
3"	CFH	12,000
2-1/2"	CFH	6,770
2"	CFH	4,250
1 1/2"	CFH	2,210
1 1/4"	CFH	1,470
1"	CFH	717
3/4"	CFH	401
1/2"	CFH	192

PLUMBING DRAWINGS LIST:

P0.0	PLUMBING SYMBOLS & SHEET LIST
PD1.1	OVERALL PLUMBING DEMO WASTE & VENT PLAN
PD1.1.1	PLUMBING WASTE & VENT DEMO PLAN – AREA 1
PD1.1.4	PLUMBING WASTE & VENT DEMO PLAN – AREA 4
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P5.2	PLUMBING DETAILS (SHEET 2 OF 3)
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2		Bid Set 2.15.16	
3		Addendum 1 3.2.16	
4	X	Permit Res 3.17.16	

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PLUMBING SYMBOL / SHEET LIST

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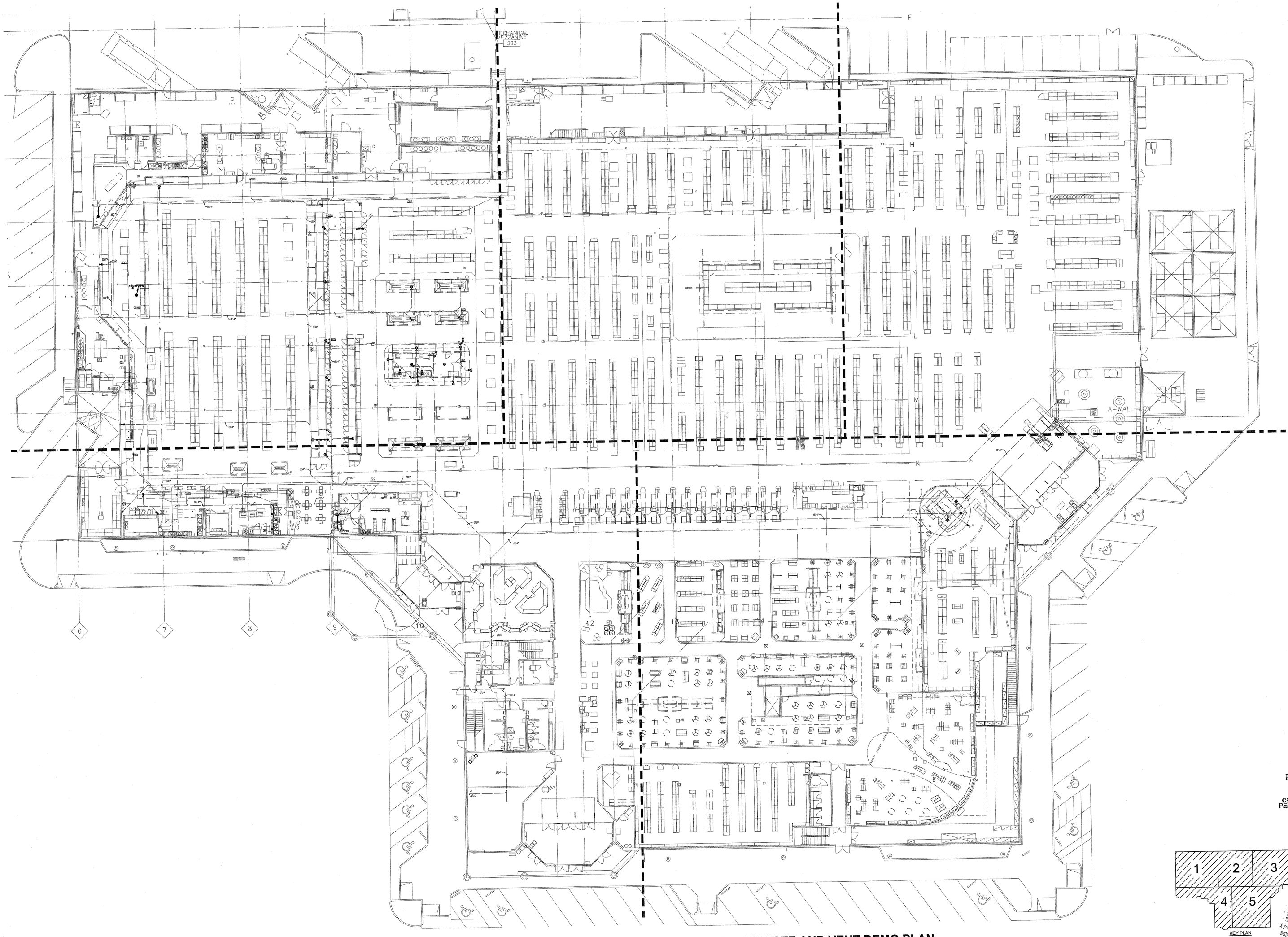
SHEET
P0.0

JOB NO. 215034600.00



1 OVERALL PLUMBING WASTE AND VENT DEMO PLAN

0 8' 16' 32'

SCALE: 1/16"=1'-0"

FILE: 172 PD1.1 – PLUMBING WASTE & VENT DEMO PLAN.DWG – PD1.1 OVERALL PLUMBING WASTE & VENT DEMO PLAN | EDIT:

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1 2 3 4 5
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215034600

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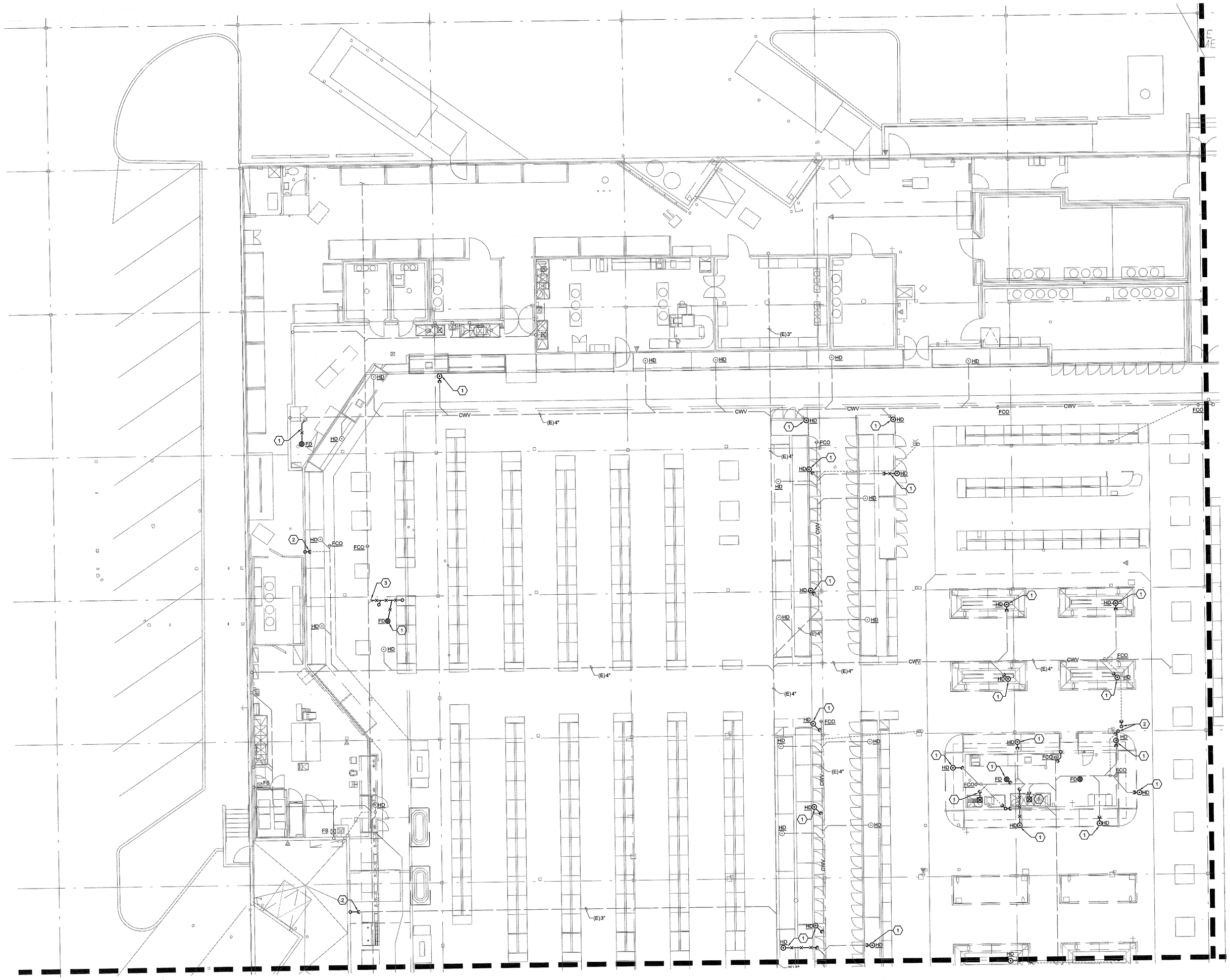
SHEET KEYNOTES

1. CAP AND ABANDON SANITARY BELOW SLAB.
2. CAP AND ABANDON VENT BELOW SLAB.
3. REMOVE HUB DRAIN AND FLOOR SINK. CAP AND ABANDON BELOW SLAB.
4. CAP VENT.
5. CAP AND REMOVE SERVICES BACK TO MAIN.
6. DEMO EXISTING PLUMBING FIXTURE.



1 PLUMBING WASTE AND VENT DEMO PLAN - AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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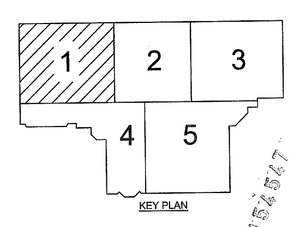

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JOB NO. 215034600.00

2015347

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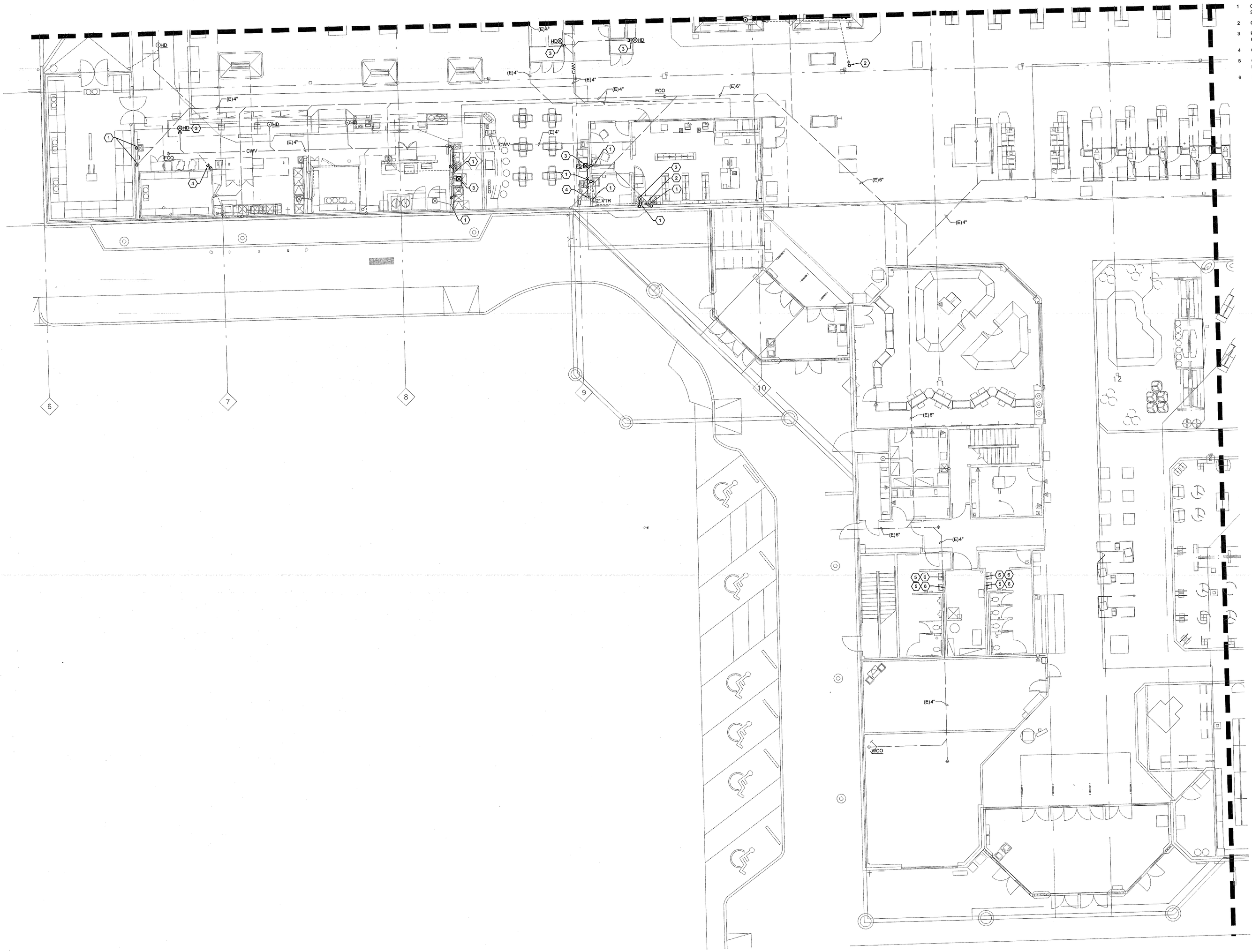
FILE: 172_PD1.1 – PLUMBING WASTE & VENT DEMO PLAN.DWG – PD1.1.1 PLUMBING WASTE & VENT DEMO PLAN – AREA 1 | EDIT:
12/16/2015 10:15 AM BY LOPENAR | PLOT: 12/16/2015 10:18 AM BY LOPENA DWG



1 PLUMBING WASTE AND VENT DEMO PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

1 CAP AND ABANDON SANITARY BELOW SLAB.

2 CAP AND ABANDON VENT BELOW SLAB.

3 REMOVE HUB DRAIN AND FLOOR SINK. CAP AND ABANDON BELOW SLAB.

4 CAP VENT.

5 CAP AND REMOVE SERVICES BACK TO MAIN.

6 DEMO EXISTING PLUMBING FIXTURE.

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SHEET TITLE:
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DEMO PLAN
AREA 4

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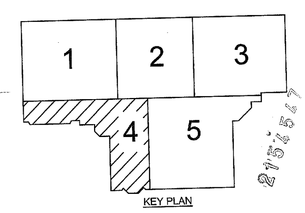

KEY PLAN

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PD1.1.4

JOB NO. 215034600.0

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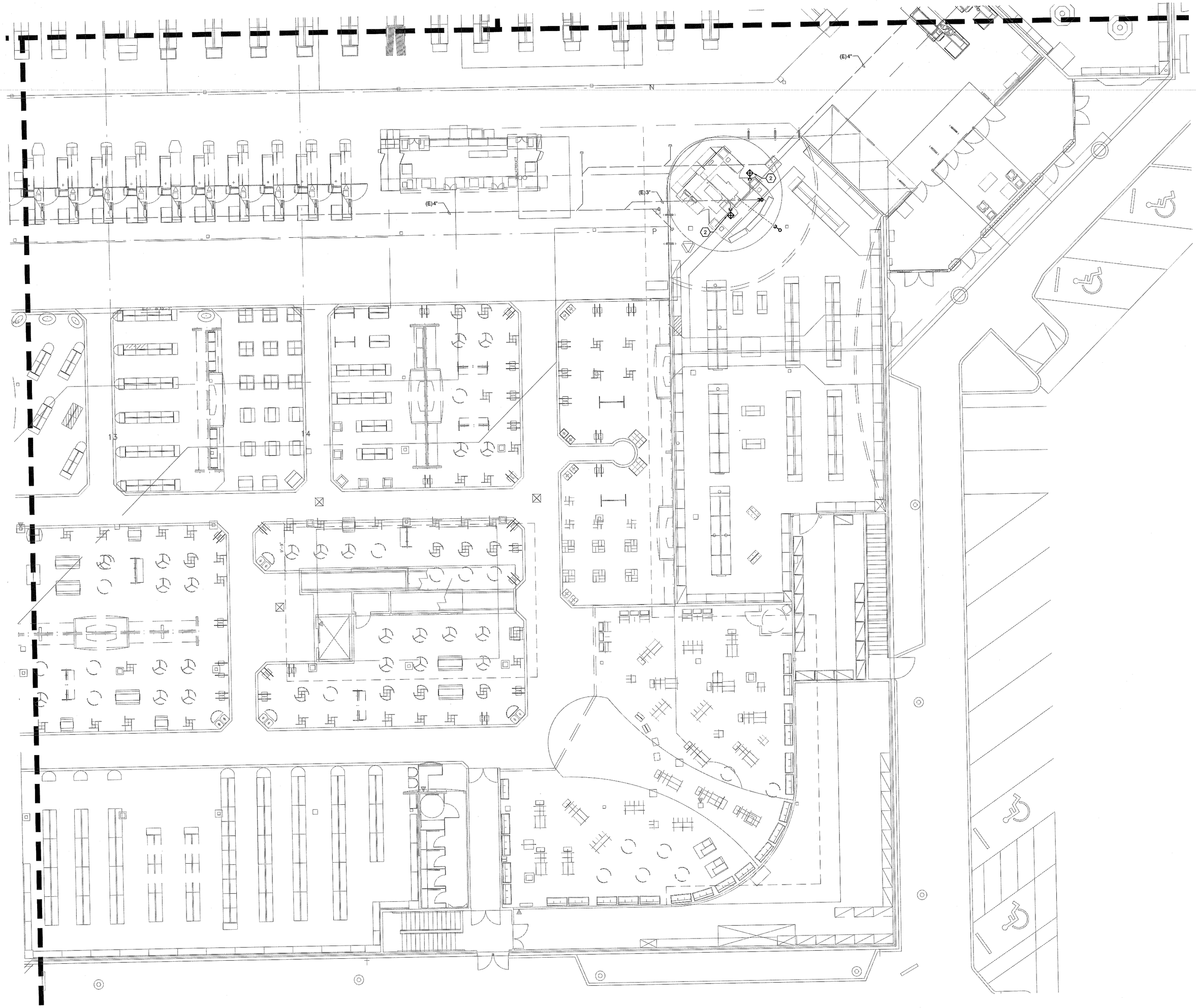
FILE: 172_PD1.1 – PLUMBING WASTE & VENT DEMO PLAN.DWG – PD1.1.4 PLUMBING WASTE & VENT DEMO PLAN – AREA 4 | EDIT:



SHEET KEYNOTES

1 CAP VENT BELOW SLAB.

2 REMOVE FLOOR SINK AND CAP BELOW SLAB.

1 PLUMBING WASTE AND VENT DEMO PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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PLUMBING WASTE + VENT DEMO PLAN AREA 5

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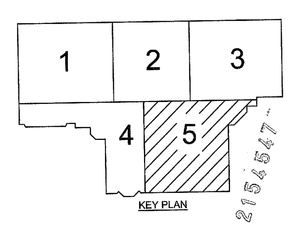

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JOB NO: 215034600.00

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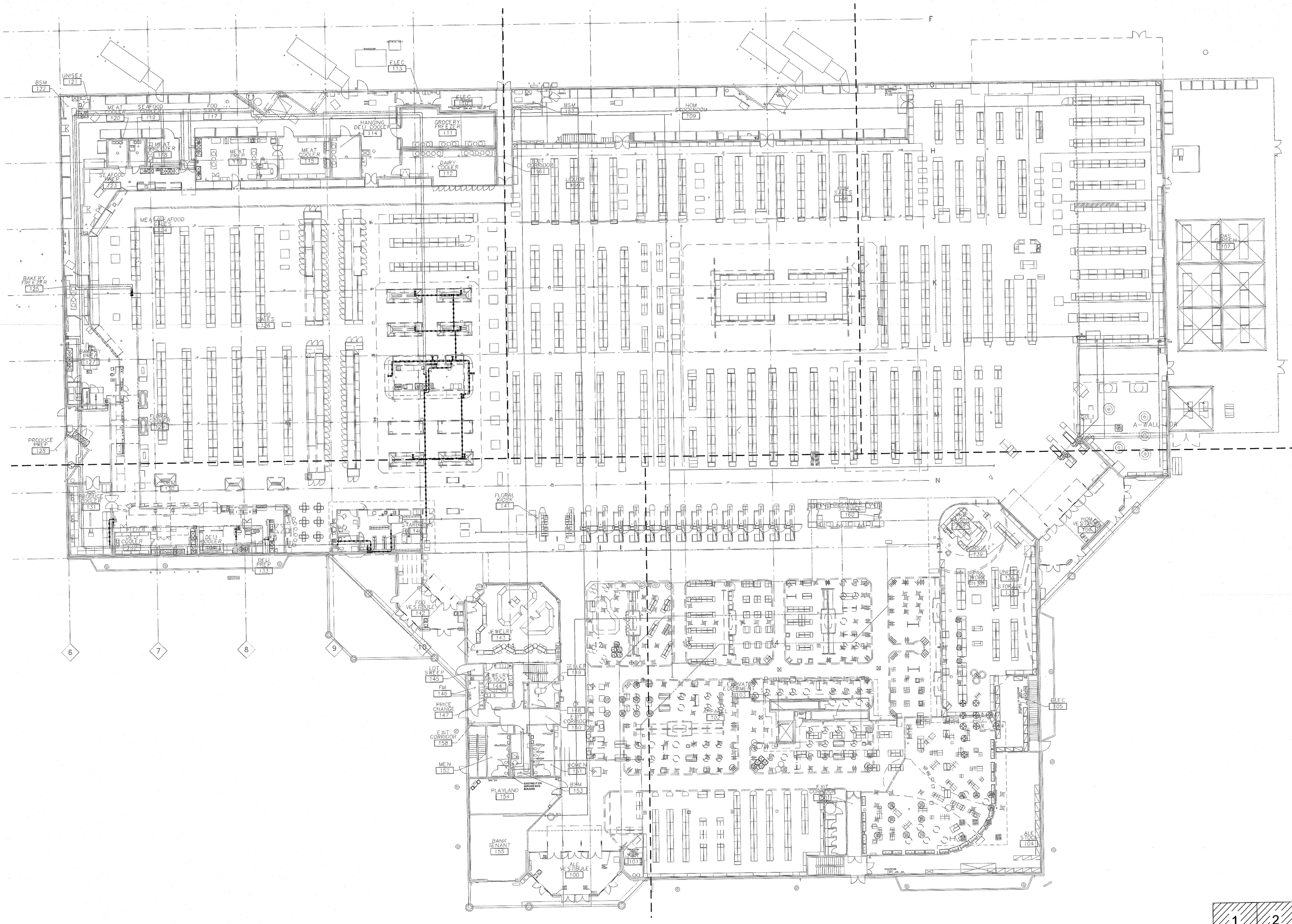
FILE: 172_PD1.1 – PLUMBING WASTE & VENT DEMO PLAN.DWG – PD1.1.5 PLUMBING WASTE & VENT DEMO PLAN – AREA 5 | EDIT: 12/16/2015 9:55 AM BY LOPENAD | PLOT: 12/16/2015 9:56 AM BY LOPENA.DWG



1 OVERALL PLUMBING WATER & GAS DEMO PLAN

0 8' 16' 32'

SCALE: 1/16"=1'-0"

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SHEET TITLE:
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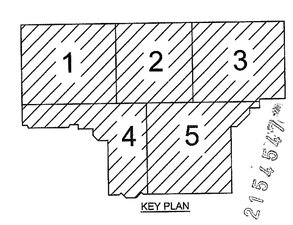

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PD1.2

JOB NO. 215034600.00

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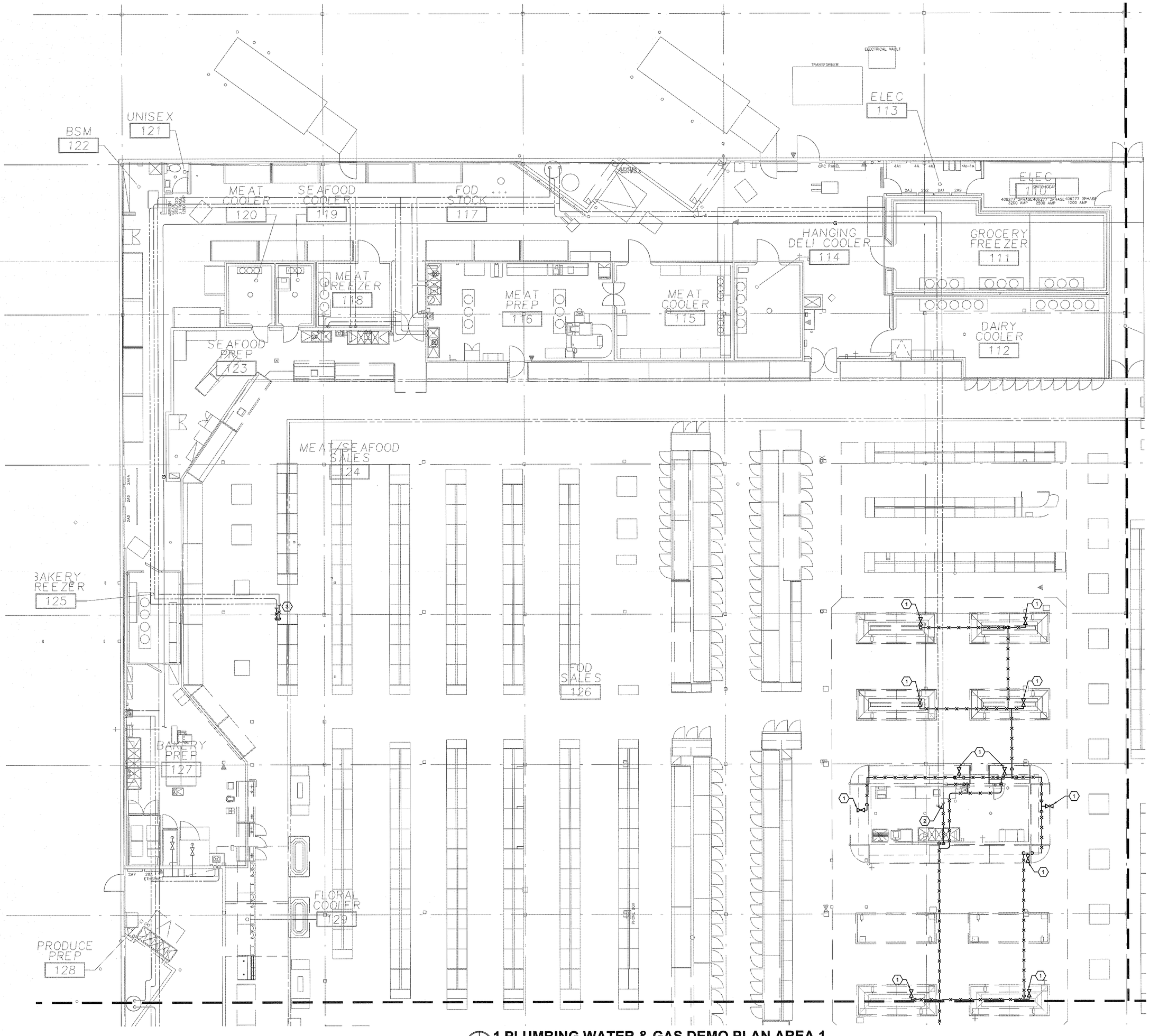
SHEET KEYNOTES

1 REMOVE 1/2" CASE WASH DOWN VALVE, CAP BELOW SLAB AND ABANDON.

2 CAP 3/4" HOT WATER RETURN AND 1" HOT WATER.

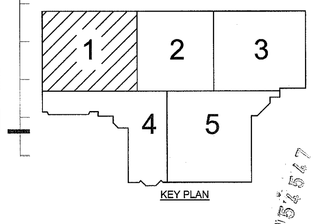
3 CAP 3/4" HOT, 1" COLD WATER.



1 PLUMBING WATER & GAS DEMO PLAN AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"



KEY PLAN

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PD1.2.1

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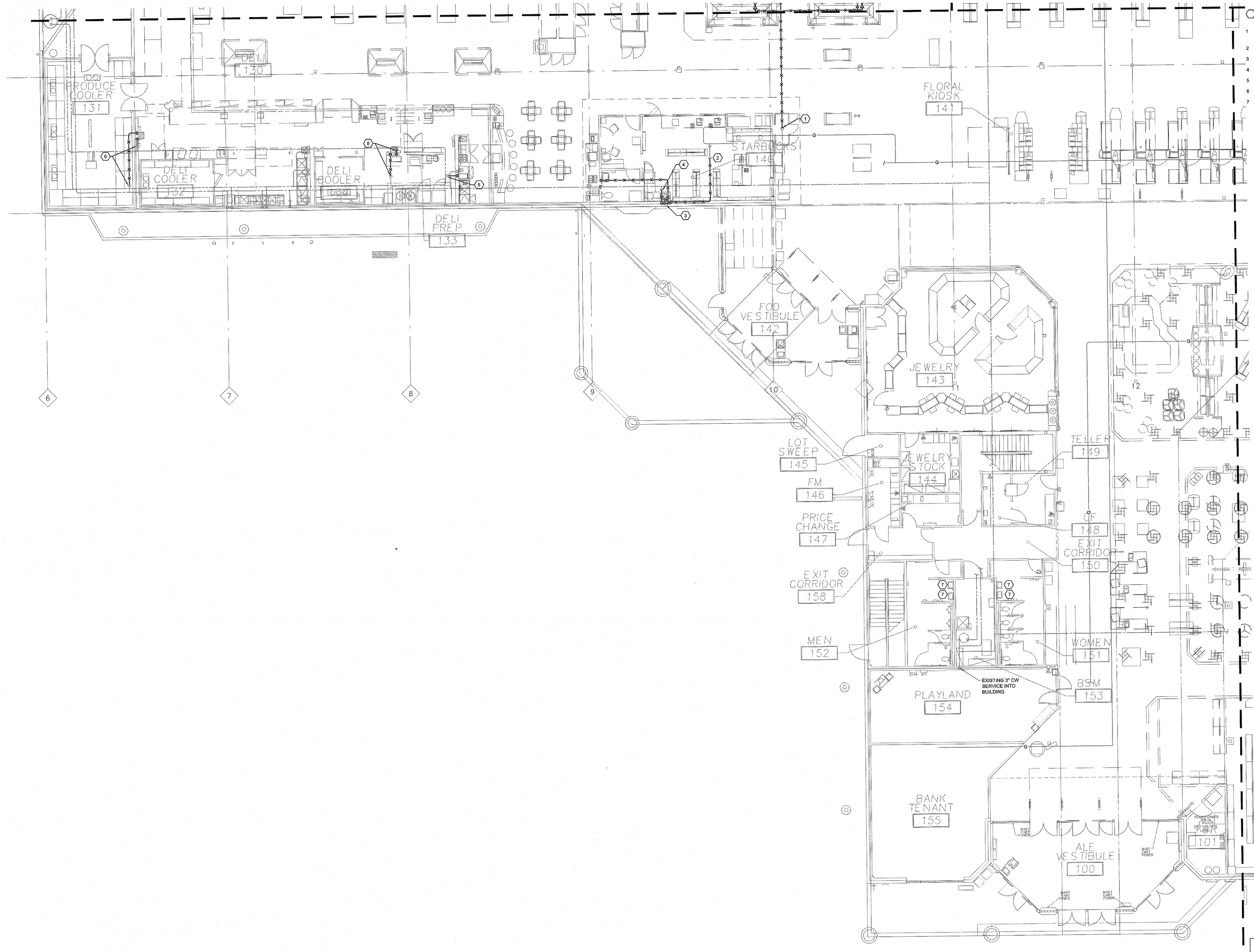


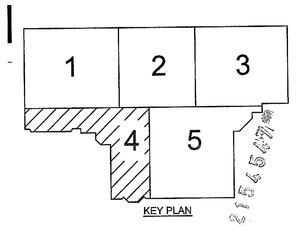
SHEET KEYNOTES

1. CAP 1" COLD WATER. REMOVE PIPING DOWN STREAM.
2. CAP 3/4" CD.
3. REMOVE PIPING BACK TO MAINS.
4. CAP COLD WATER.
5. CAP 3/4" HOT WATER.
6. CAP 1/2" HOT WATER, 1/2" COLD WATER.
7. CAP & REMOVE HOT, COLD, VENT & WASTE.

1 PLUMBING WATER & GAS DEMO PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"



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DEMO PLAN
AREA 4

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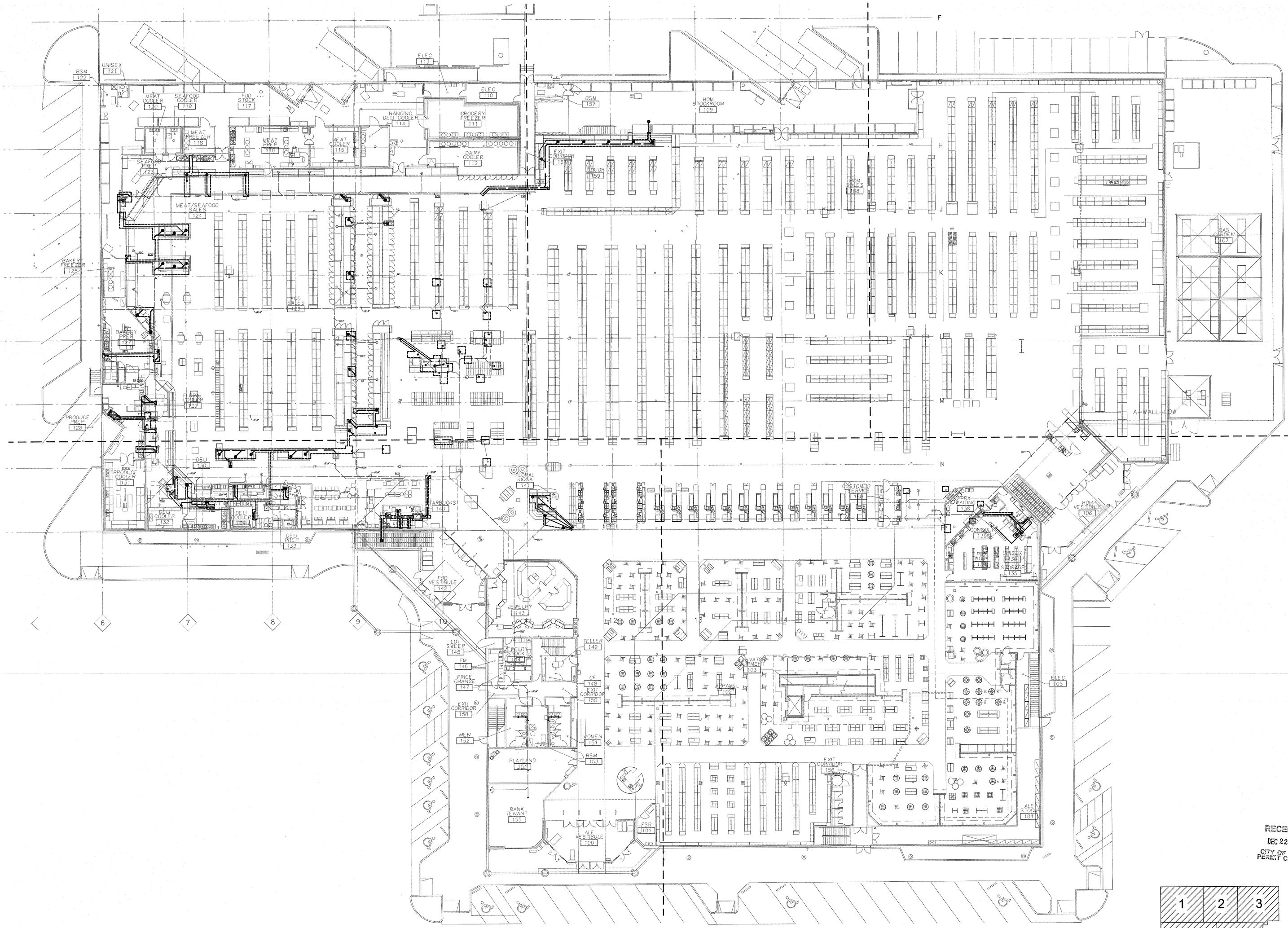

1 OVERALL PLUMBING WASTE AND VENT PLAN

0 8' 16' 32'

SCALE: 1/16"=1'-0"

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
OVERALL PLUMBING WASTE + VENT PLAN

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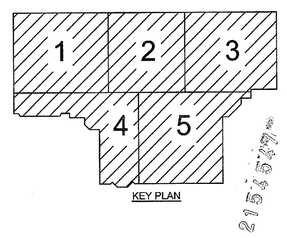


KEY PLAN

DRAWN BY: CK

CHECKED BY: KW

SHEET
P1.1

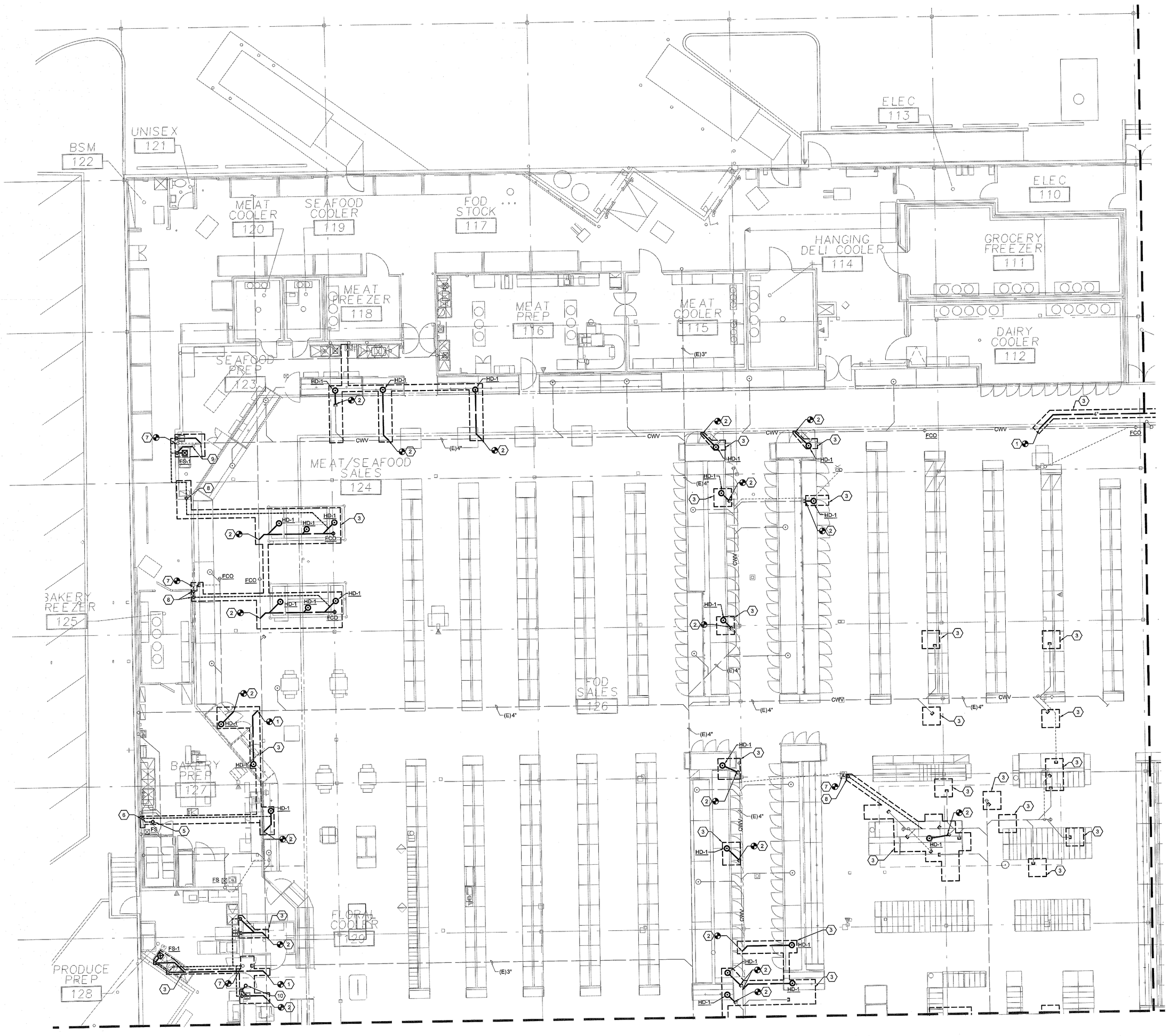
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P1.1 – PLUMBING WASTE & VENT PLAN.DWG – P1.1 OVERALL PLUMBING WASTE & VENT PLAN | EDIT: 12/14/2015 10:42 AM BY TODDK | PLOT: 12/15/2015 2:20 PM BY LORENA RUIZ

SHEET KEYNOTES

1 POC 4" SANITARY TO EXISTING.
2 POC 3" SANITARY TO EXISTING.
3 SAW-CUT AND PATCH AS REQUIRED.
4 CAP AND ABANDON EXISTING COMBINATION WASTE AND VENT SYSTEM BELOW SLAB.
5 2" VENT UP TO 2" VTR.
6 2" VENT DOWN.
7 POC 3" VENT TO EXISTING.
8 3" VENT DOWN BELOW SLAB.
9 POC 2" SANITARY TO EXISTING.
10 3" SANITARY UP.



1 PLUMBING WASTE AND VENT PLAN - AREA 1

0 4' 8' 16'
SCALE: 1/8"=1'-0"

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SHEET TITLE:
PLUMBING WASTE + VENT PLAN AREA 1

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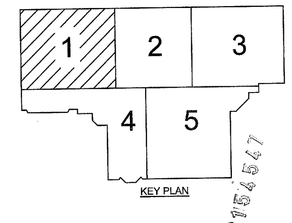

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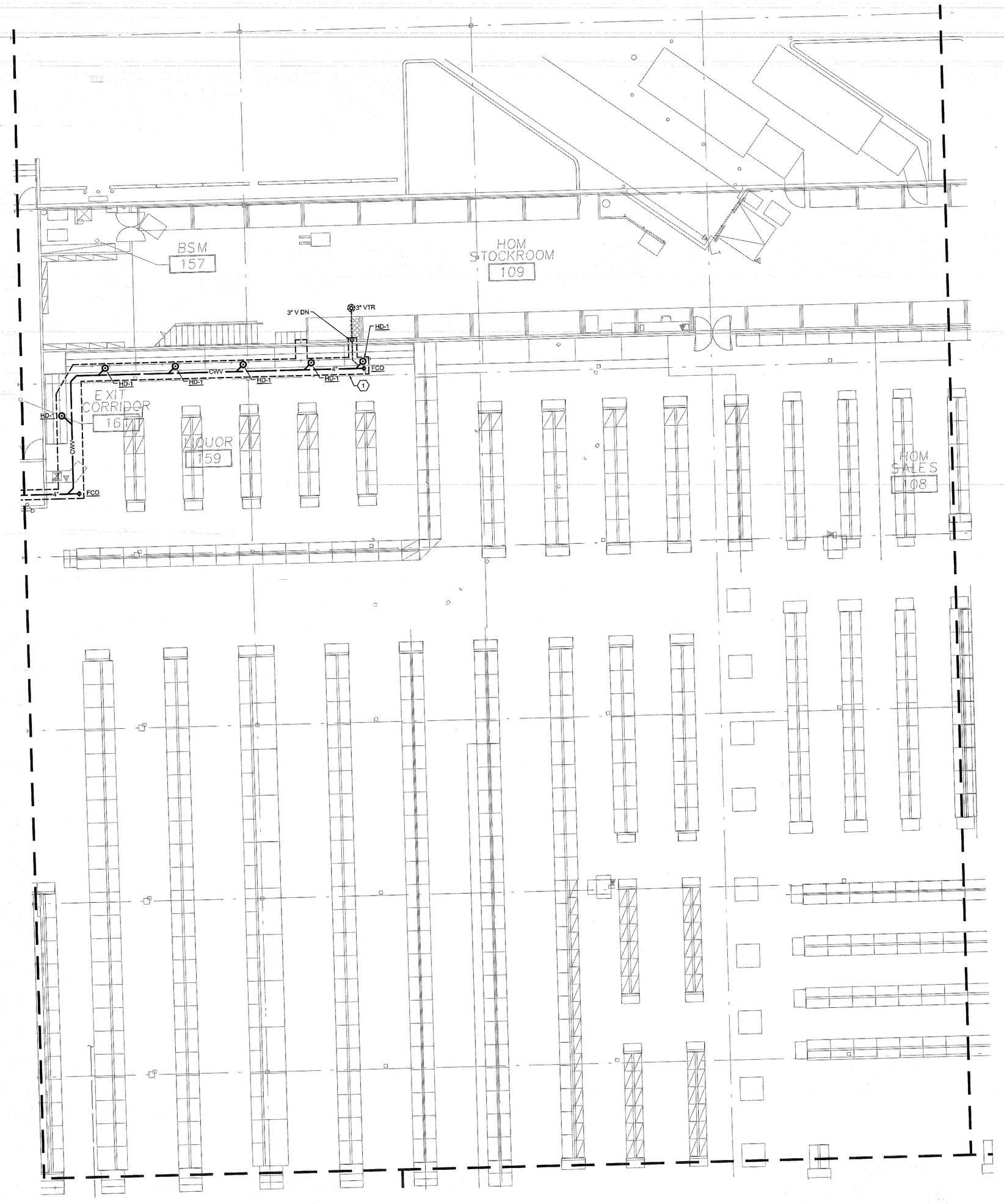
SHEET
P1.1.1
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P1.1 – PLUMBING WASTE & VENT PLAN.DWG – P1.1.1 PLUMBING WASTE & VEND PLAN – AREA 1 | EDIT: 12/14/2015 10:42 AM BY TODDK | PLOT: 12/15/2015 2:20 PM BY LORENA RUIZ

1 SAW-CUT AND PATCH AS REQUIRED.



1 PLUMBING WASTE AND VENT PLAN - AREA 2

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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SHEET TITLE:
PLUMBING
WASTE + VENT
PLAN AREA 2

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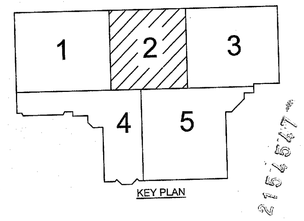

KEY PLAN

DRAWN BY: CK
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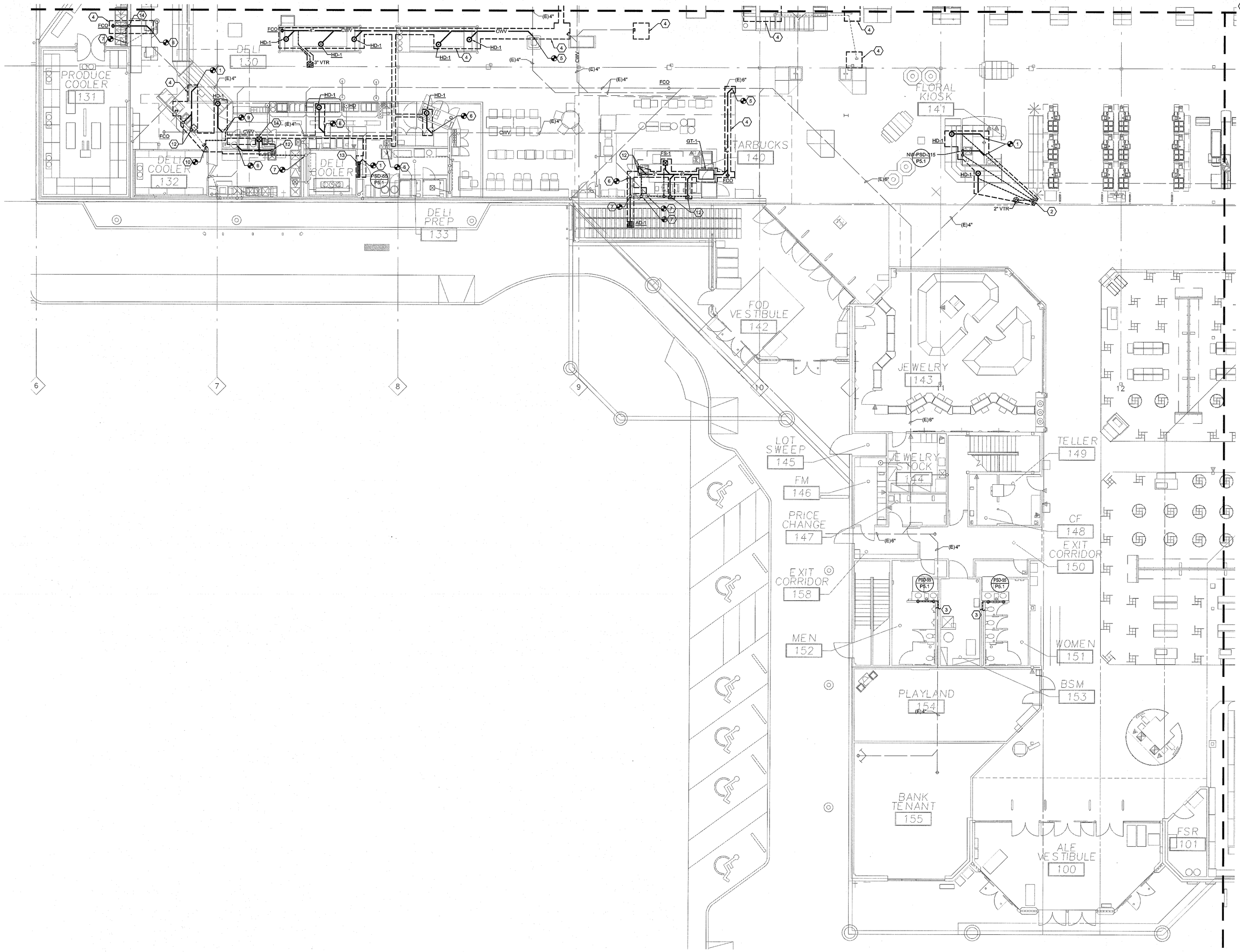
SHEET
P1.1.2
JOB NO. 215034600.0

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P1.1 – PLUMBING WASTE & VENT PLAN.DWG – P1.1.2 PLUMBING WASTE & VEND PLAN – AREA 2 | EDIT: 12/14/2015 10:42 AM BY TODDK | PLOT: 12/15/2015 2:21 PM BY LORENA RUIZ



SHEET KEYNOTES

1. POC 2" SANITARY TO EXISTING.
2. 2" VENT DOWN BELOW SLAB.
3. ROUTE 1-1/2" VENT, 2" SANITARY IN WALL AND CONNECT TO EXISTING.
4. SAW-CUT AND PATCH AS REQUIRED.
5. POC 4" SANITARY TO EXISTING.
6. POC 3" SANITARY TO EXISTING.
7. POC 2" VENT TO EXISTING.
8. CONNECT 1-1/2" VENT, 2" SANITARY TO EXISTING IN WALL.
9. POC 3" SANITARY, 3" VENT TO EXISTING.
10. POC 3" VENT TO EXISTING.
11. 3" VENT UP TO 3" VTR.
12. 2" SANITARY UP.
13. 2" SANITARY UP TO TD-1.
14. 3" SANITARY UP.

1 PLUMBING WASTE AND VENT PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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SHEET TITLE:
PLUMBING WASTE + VENT PLAN AREA 4

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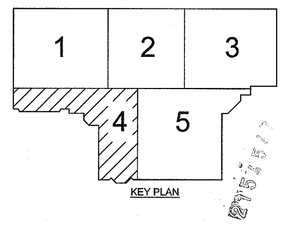

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SHEET
P1.1.4
JOB NO. 215034600.00

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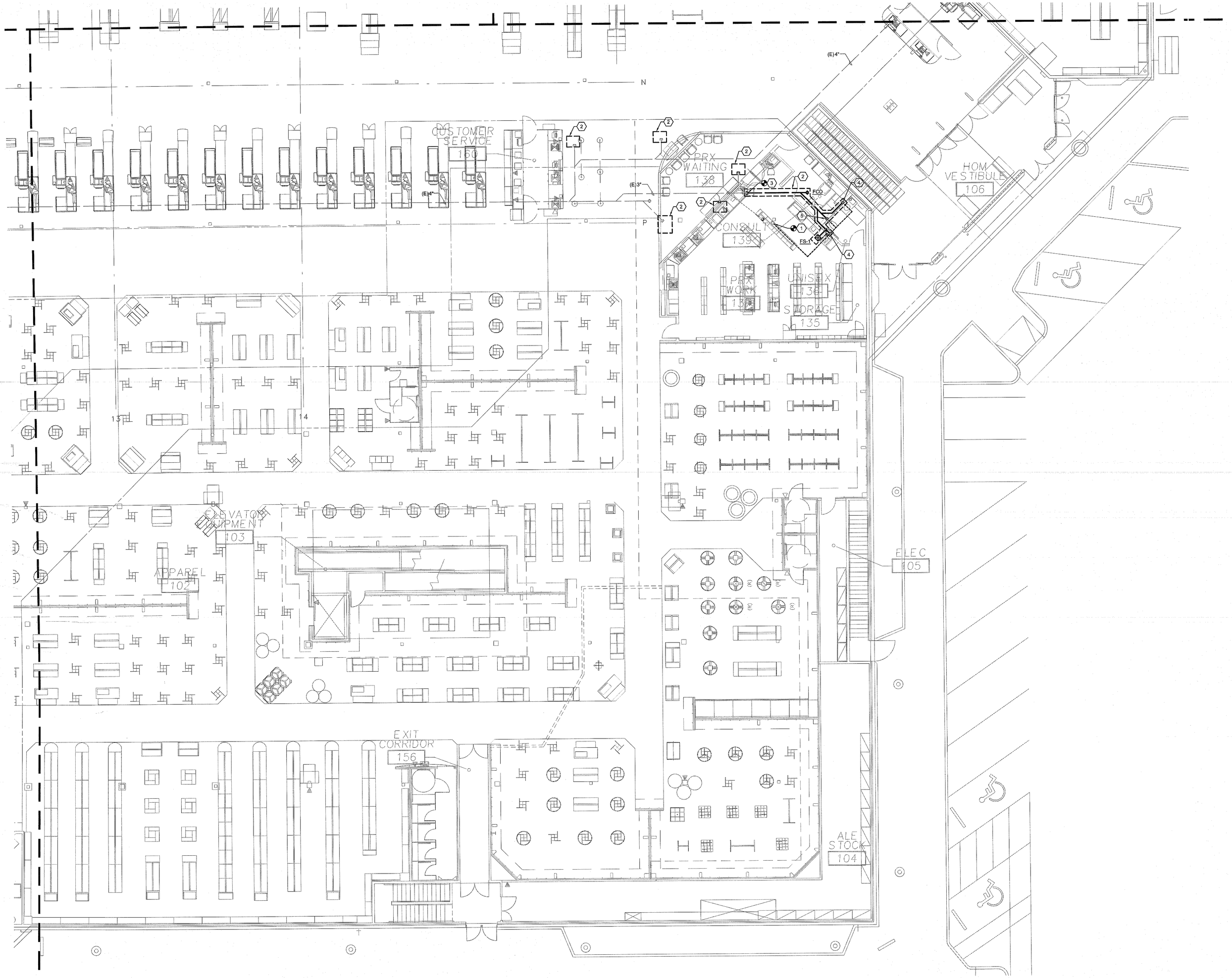
FILE: 172_P1.1 – PLUMBING WASTE & VENT PLAN.DWG – P1.1.4 PLUMBING WASTE & VEND PLAN – AREA 4 | EDIT: 12/14/2015 10:42 AM BY TODDK | PLOT: 12/15/2015 2:21 PM BY LORENA RUIZ



SHEET KEYNOTES

1 POC 2" VENT TO EXISTING.
2 SAW-CUT AND PATCH AS REQUIRED.
3 POC 4" SANITARY TO EXISTING.
4 2" SANITARY UP.
5 4" SANITARY UP.

1 PLUMBING WASTE AND VENT PLAN - AREA 5

0 4' 8' 16'
SCALE: 1/8"=1'-0"

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SHEET TITLE:
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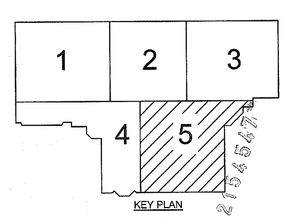

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SHEET
P1.1.5
JOB NO. 215034600.00

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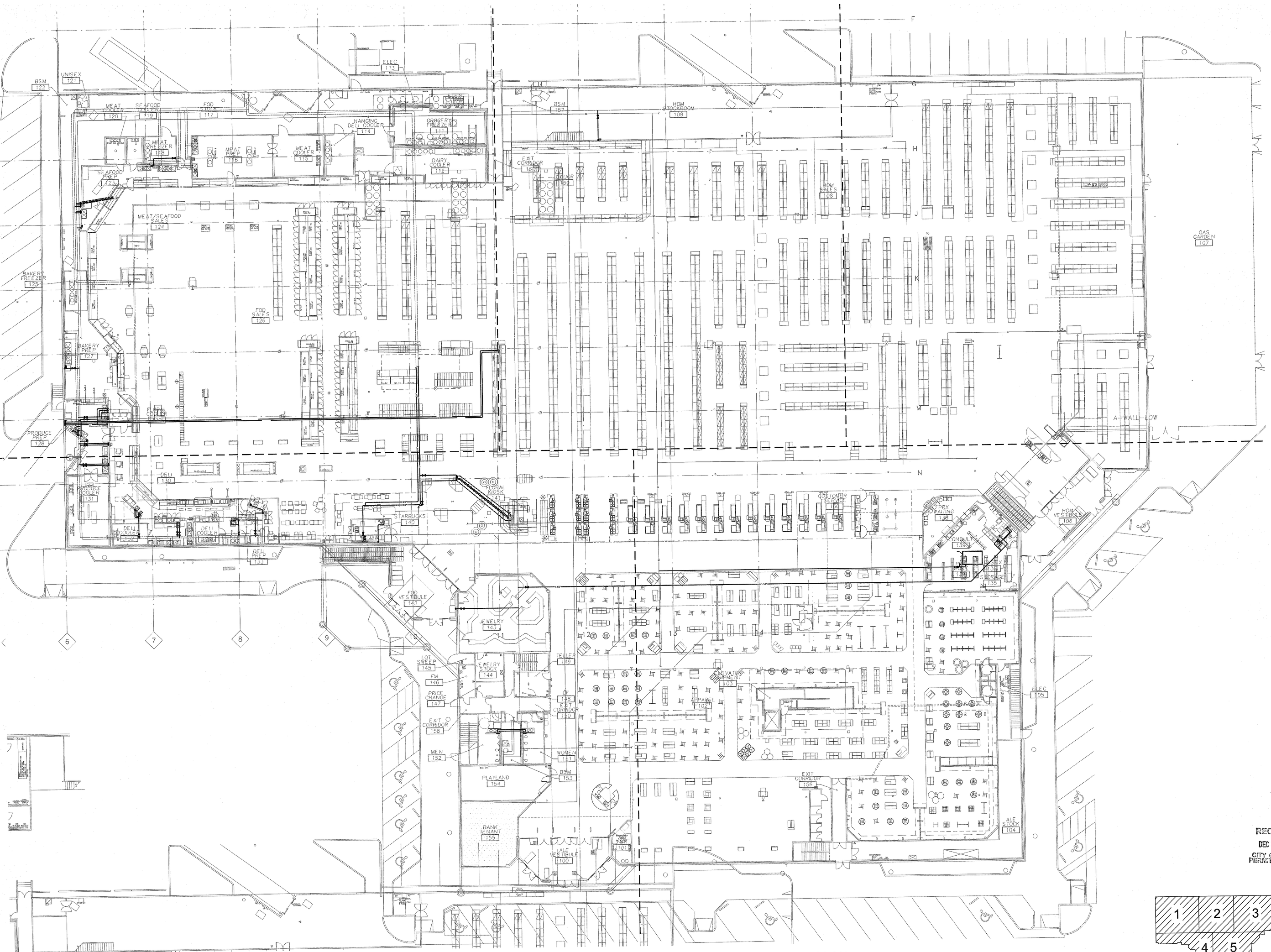
FILE: 172_P1.1 – PLUMBING WASTE & VENT PLAN.DWG – P1.1.5 PLUMBING WASTE & VEND PLAN – AREA 5 | EDIT: 12/14/2015 10:42 AM BY TODDK | PLOT: 12/15/2015 2:22 PM BY LORENA RUIZ



1 OVERALL PLUMBING WATER & GAS PLAN

0 8' 16' 32'

SCALE: 1/16"=1'-0"

M.

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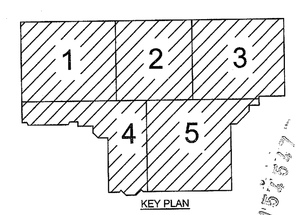

KEY PLAN

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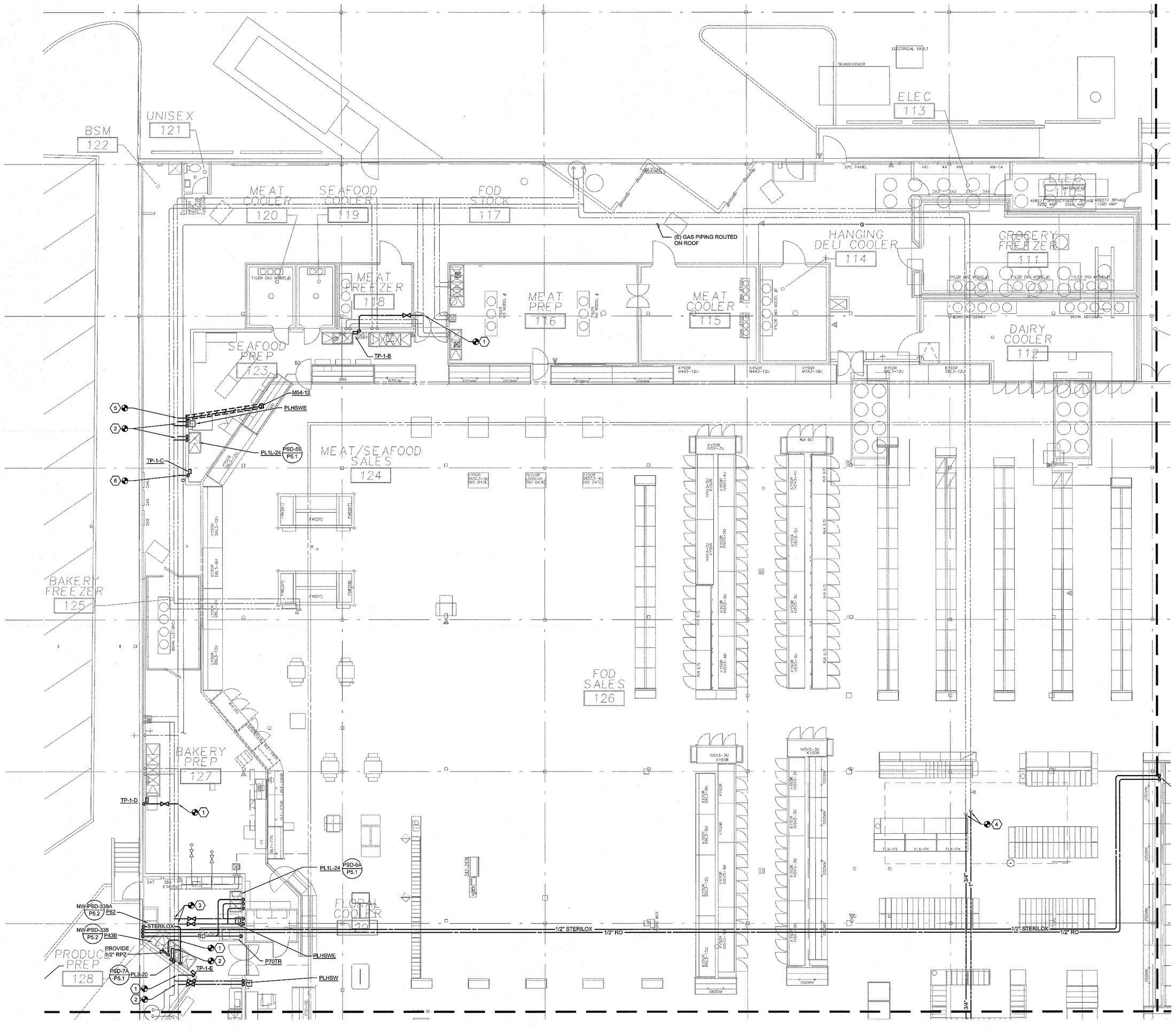
SHEET
P1.2
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P1.2 – PLUMBING WATER & GAS PLAN.DWG – P1.2 OVERALL PLUMBING WATER & GAS PLAN | EDIT: 12/14/2015 11:03 AM BY TODDK | PLOT: 12/15/2015 2:23 PM BY LORENA RUIZ



1 PLUMBING WATER & GAS PLAN - AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"

SHEET KEYNOTES

1. POC 3/4" COLD WATER TO EXISTING.
2. POC 1/2" HOT, 1/2" COLD WATER TO EXISTING.
3. POC 3/4" HOT WATER, 3/4" COLD WATER TO EXISTING.
4. POC 3/4" HOT WATER RETURN, 1" HOT WATER TO EXISTING.
5. POC 1/2" COLD WATER TO EXISTING.
6. POC 3/4" COLD WATER TO EXISTING.

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SHEET TITLE:
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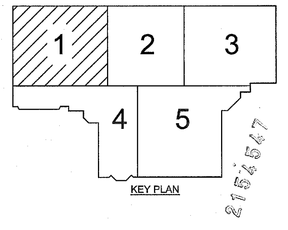

KEY PLAN

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SHEET
P1.2.1

JOB NO. 215034600.00

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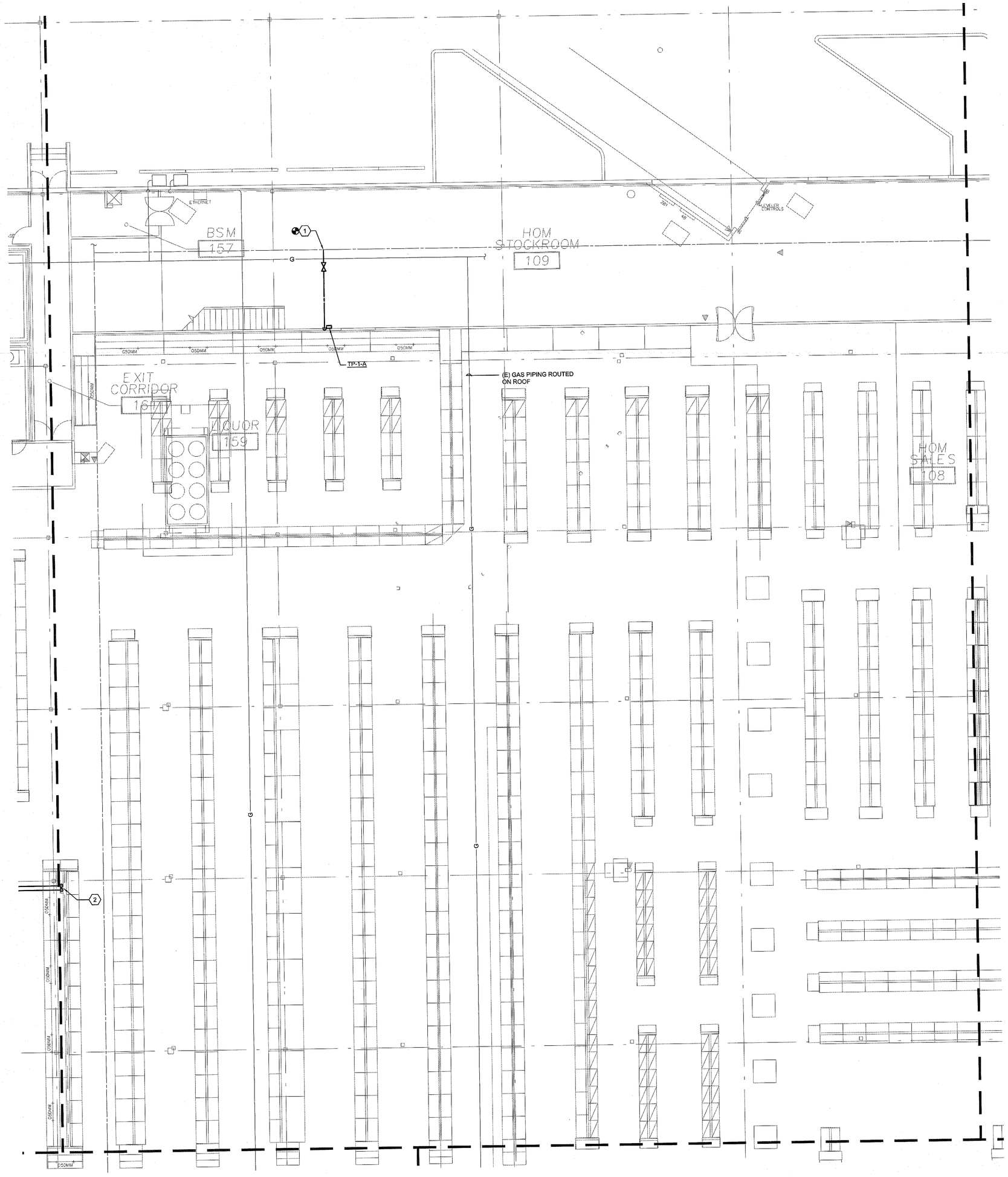
SHEET KEYNOTES

1 POC 3/4" COLD WATER TO EXISTING.

2 1/2" RO, 1/2" STERILOX DOWN, COORDINATE WITH CASE WORK FOR CONNECTION.



1 PLUMBING WATER & GAS PLAN - AREA 2

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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PLAN AREA 2

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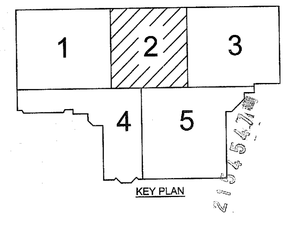

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SHEET
P1.2.2

JOB NO. 215034600.00

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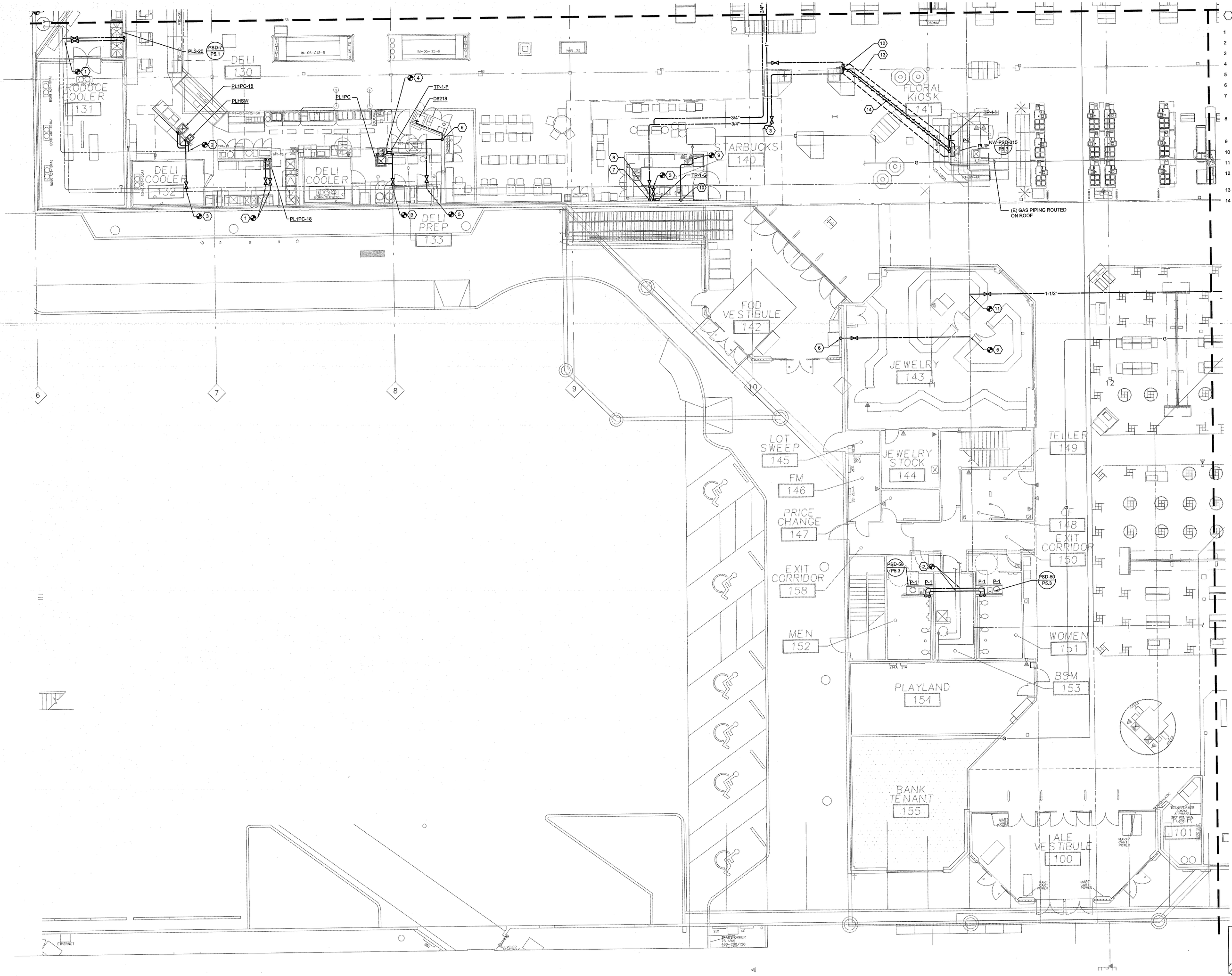


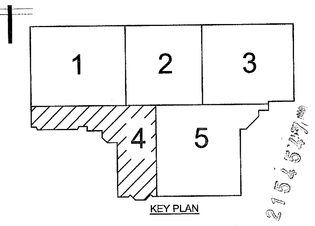
SHEET KEYNOTES

1. POC 1/2" HOT, 1/2" COLD WATER EXISTING.
2. POC 3/4" HOT WATER TO EXISTING.
3. POC 3/4" COLD WATER TO EXISTING.
4. POC 1/2" HOT WATER TO EXISTING.
5. POC 1/2" COLD WATER TO EXISTING.
6. 1/2" COLD WATER DOWN.
7. 3/4" HOT WATER DOWN TO STARBUCK. VERIFY WITH STARBUCKS DRAWINGS FOR CONNECTION LOCATION.
8. 3/4" COLD WATER DOWN TO STARBUCKS. VERIFY WITH STARBUCKS DRAWINGS FOR CONNECTION LOCATION.
9. POC 3/4" CD TO EXISTING.
10. SPILL 3/4" CD TO SINK TAIL PIECE.
11. POC 1-1/2" COLD WATER TO EXISTING.
12. 3/4" HOT, 3/4" COLD WATER DOWN TO BELOW SLAB.
13. SAW-CUT AND PATCH AS REQUIRED.
14. ROUTED BELOW SLAB.

1 PLUMBING WATER & GAS PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"



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REMODEL

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ANDREW J. KASSEE
OREGON
EXPIRES: 12/31/16
PROFESSIONAL ENGINEER
12/14/15

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SHEET TITLE:
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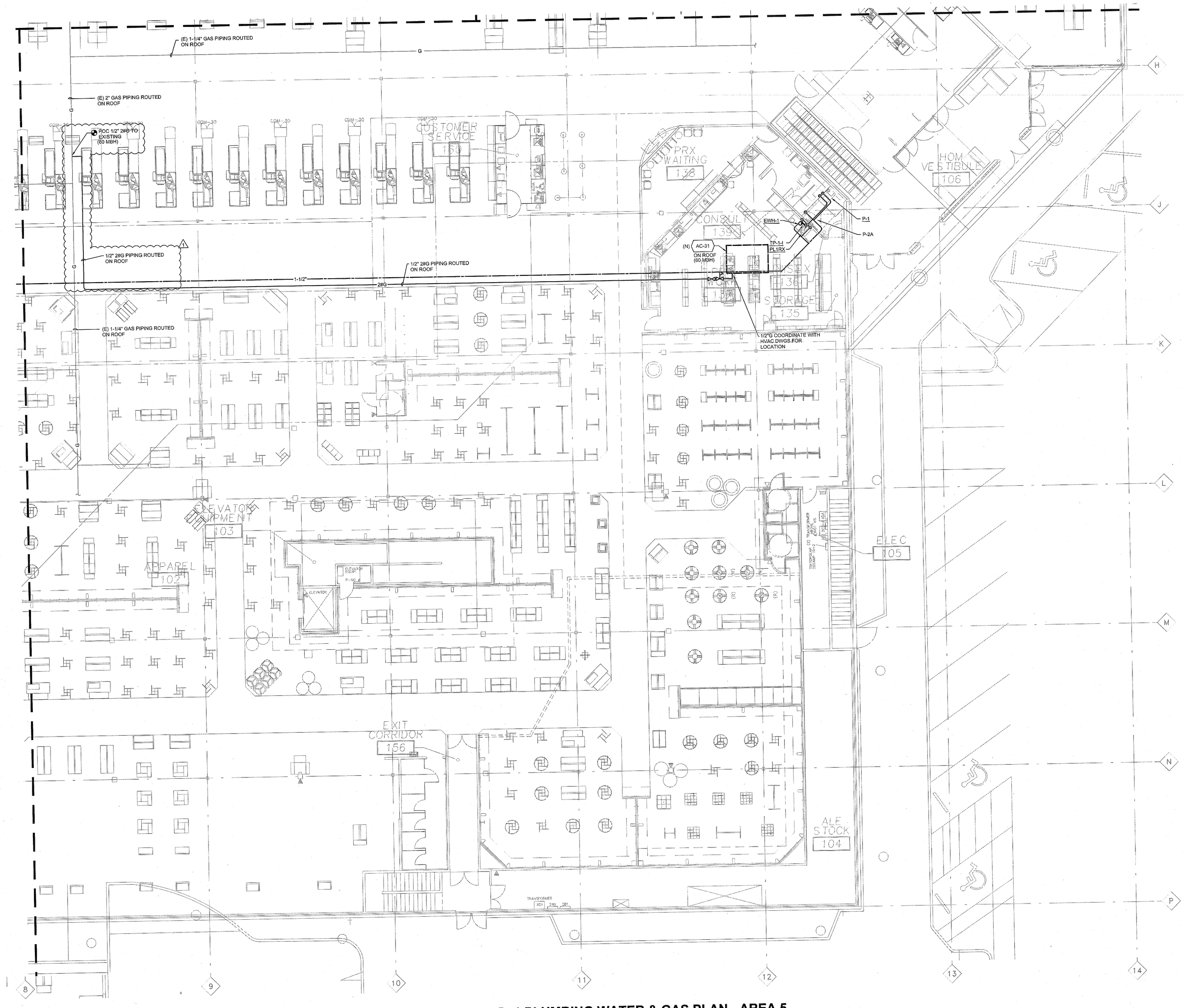
CHECKED BY: KW
SHEET
P1.2.4
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P1.2 – PLUMBING WATER & GAS PLAN.DWG – P1.2.4 PLUMBING WATER & GAS PLAN – AREA 4 | EDIT: 12/14/2015 11:03 AM BY TODDK | PLOT: 12/15/2015 2:24 PM BY LORENA RUIZ



1 PLUMBING WATER & GAS PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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ANDREW J. LASSEN — STATE OF WASHINGTON — 41609 — REGISTERED PROFESSIONAL ENGINEER

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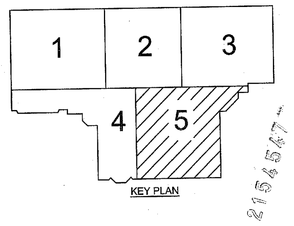
P1.2.5



JOB NO. 215034.00

PERMIT SET: DECEMBER 21, 2015

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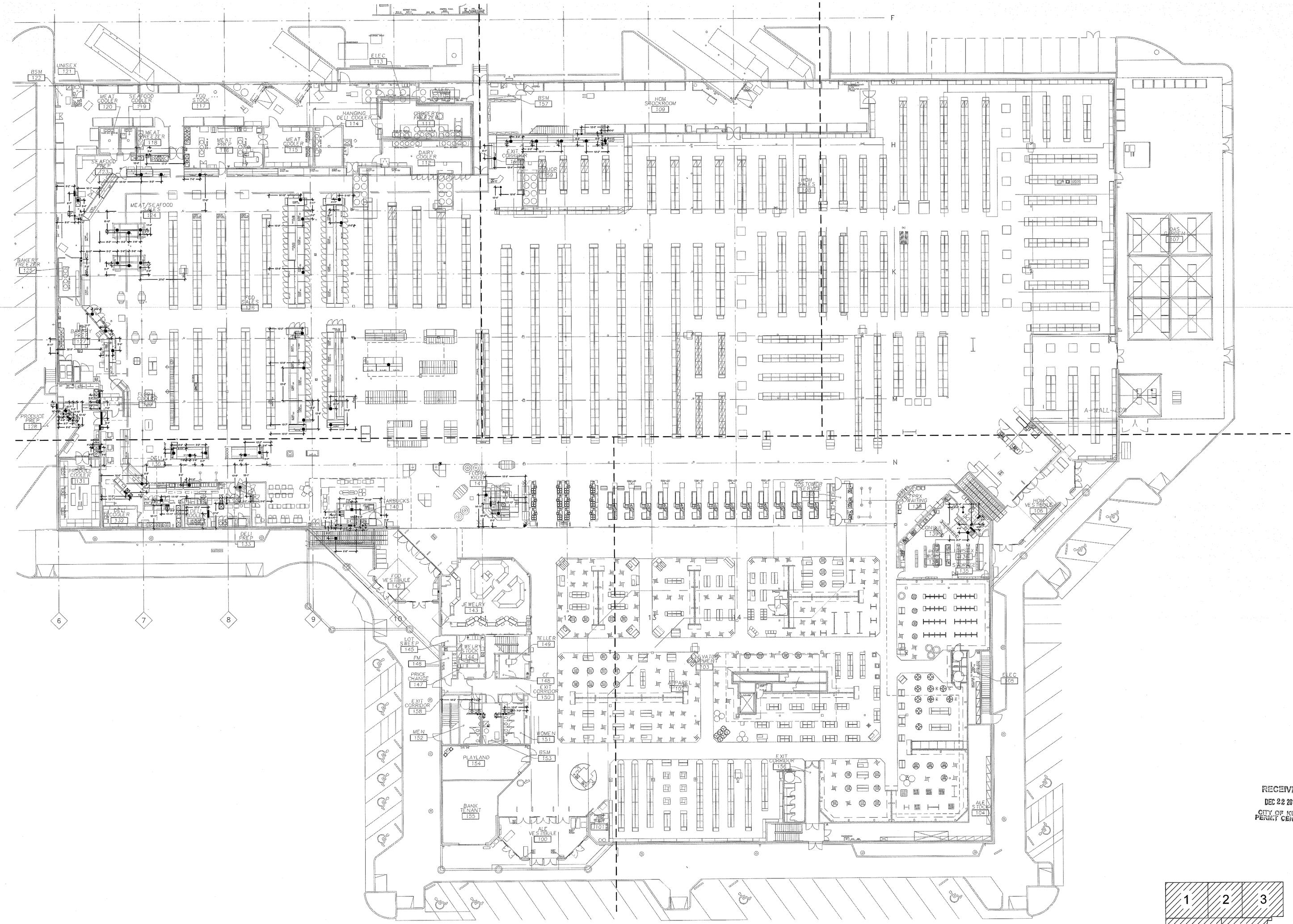

1 PLUMBING OVERALL DIMENSIONED PLAN

0 8' 16' 32'

SCALE: 1/16"=1'-0"

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SHEET TITLE:
MASTER PLUMBING DIMENSIONED PLAN

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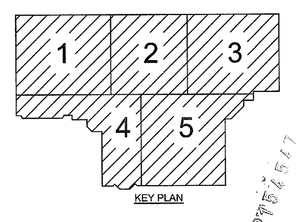


KEY PLAN

DRAWN BY: CK

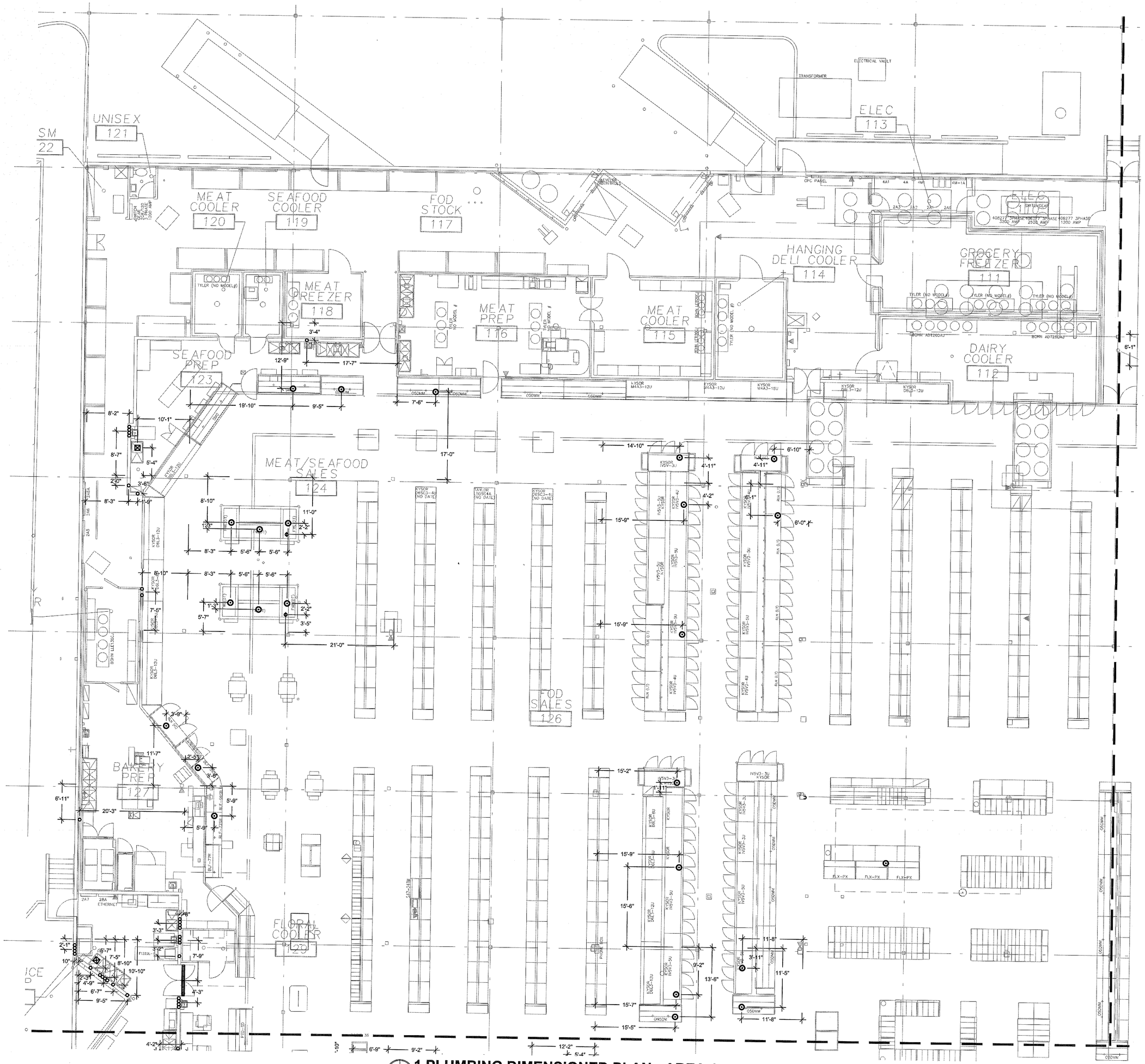
CHECKED BY: KW

SHEET
P1.4

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P1.4 – MASTER PLUMBING DIMENSIONED PLAN.DWG – P1.4 PLUMBING OVERALL DIMENSIONED PLAN | EDIT: 11/16/2015 3:34 PM BY LORENAR | PLOT: 12/15/2015 2:25 PM BY LORENA RUIZ



1 PLUMBING DIMENSIONED PLAN - AREA 1

SCALE: 1/8"=1'-0"

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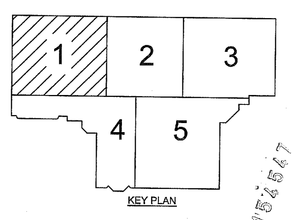

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P1.4.1
JOB NO. 215034600.00

2015-0344

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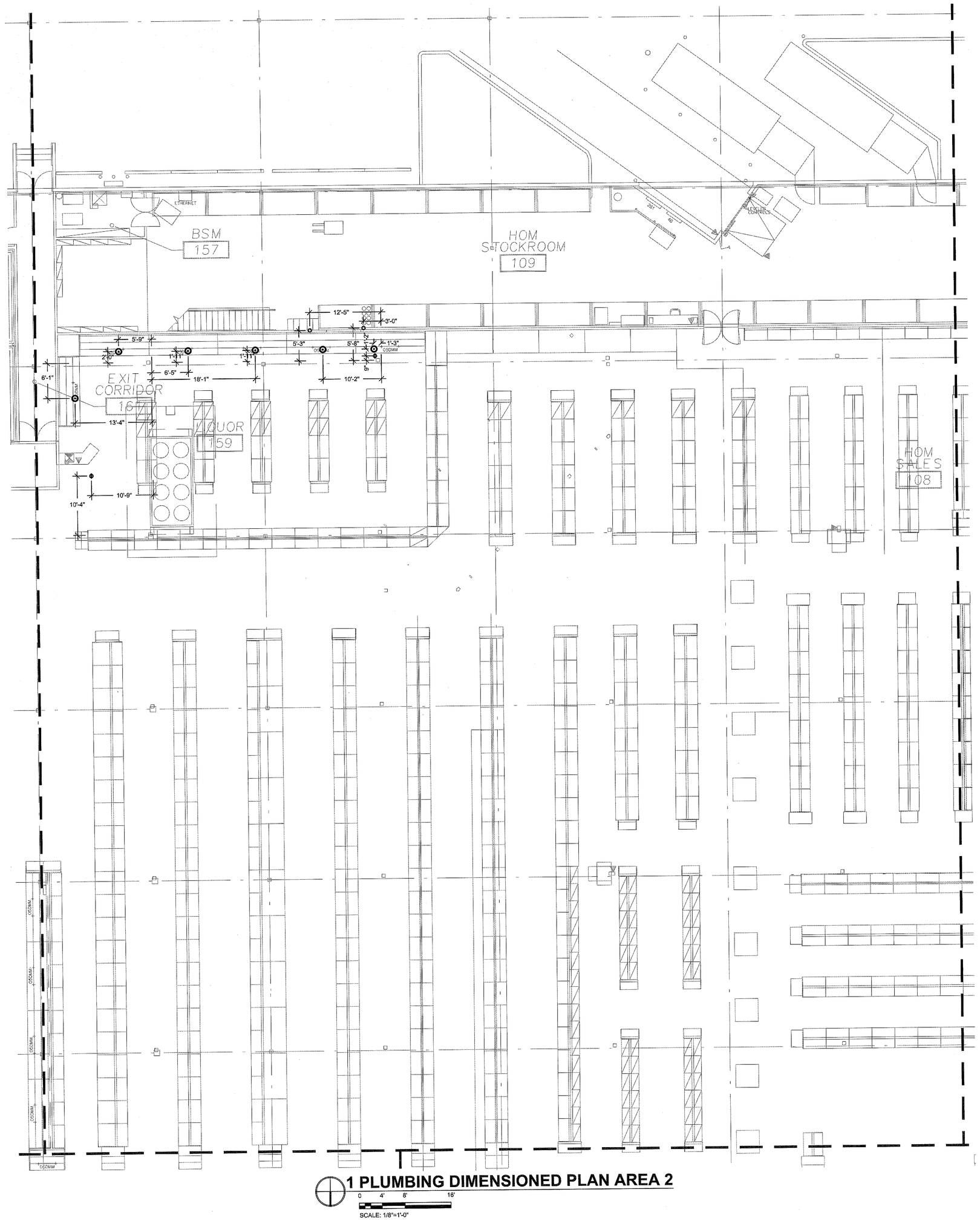

1 PLUMBING DIMENSIONED PLAN AREA 2

0 4' 8' 16'

SCALE: 1/8"=1'-0"

FILE: 172_P1.4 – MASTER PLUMBING DIMENSIONED PLAN.DWG – P1.4.2 PLUMBING DIMENSIONED PLAN – AREA 2 | EDIT: 11/16/2015 3:34 PM BY LORENAR | PLOT: 12/15/2015 2:25 PM BY LORENA RUIZ

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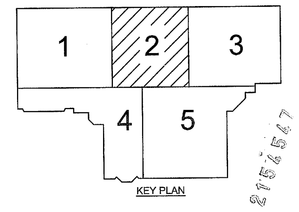

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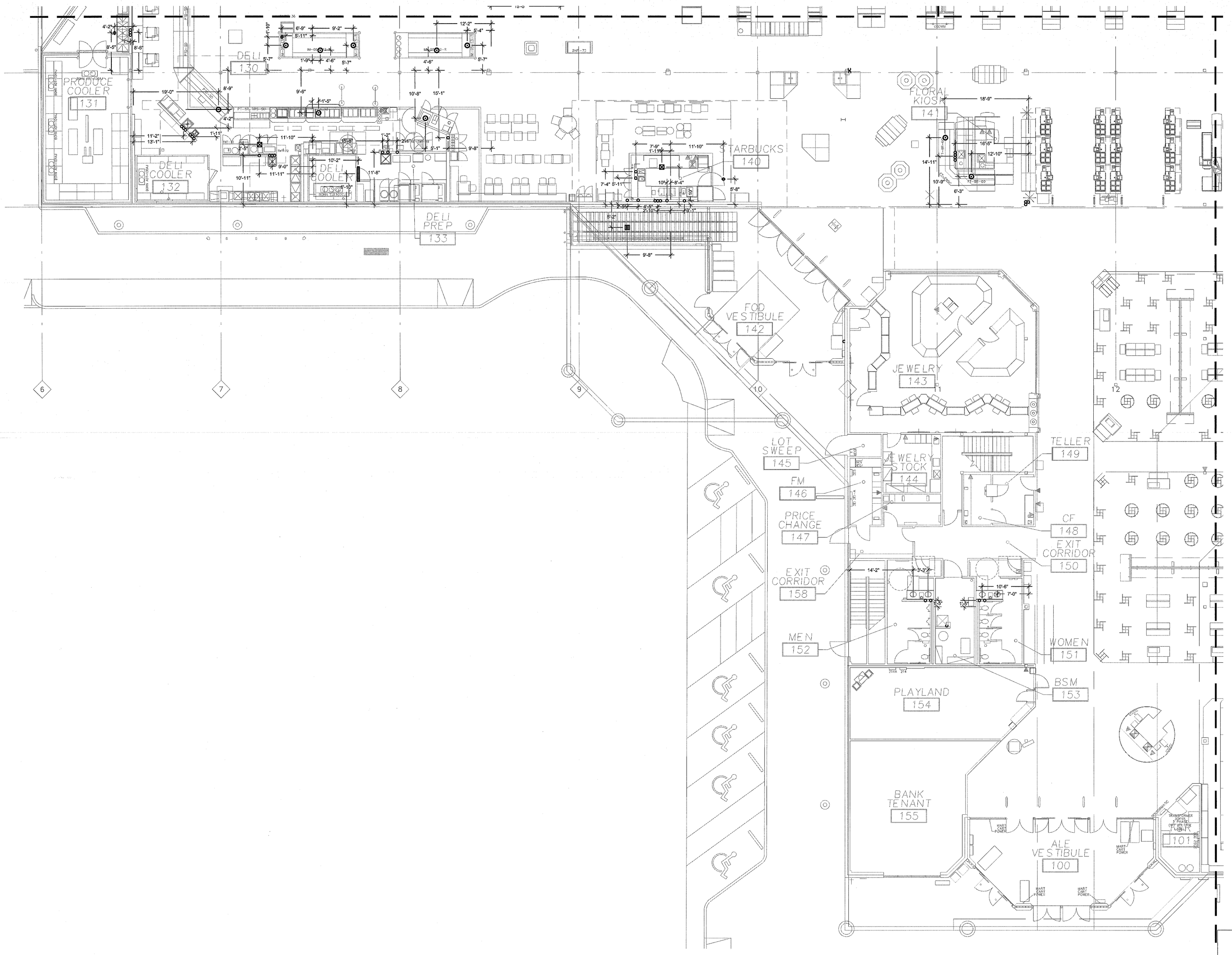
SHEET
P1.4.2

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015



1 PLUMBING DIMENSIONED PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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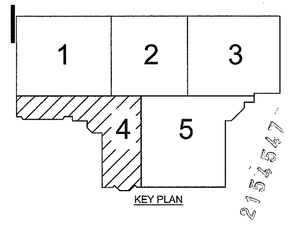

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JOB NO. 215034600.00

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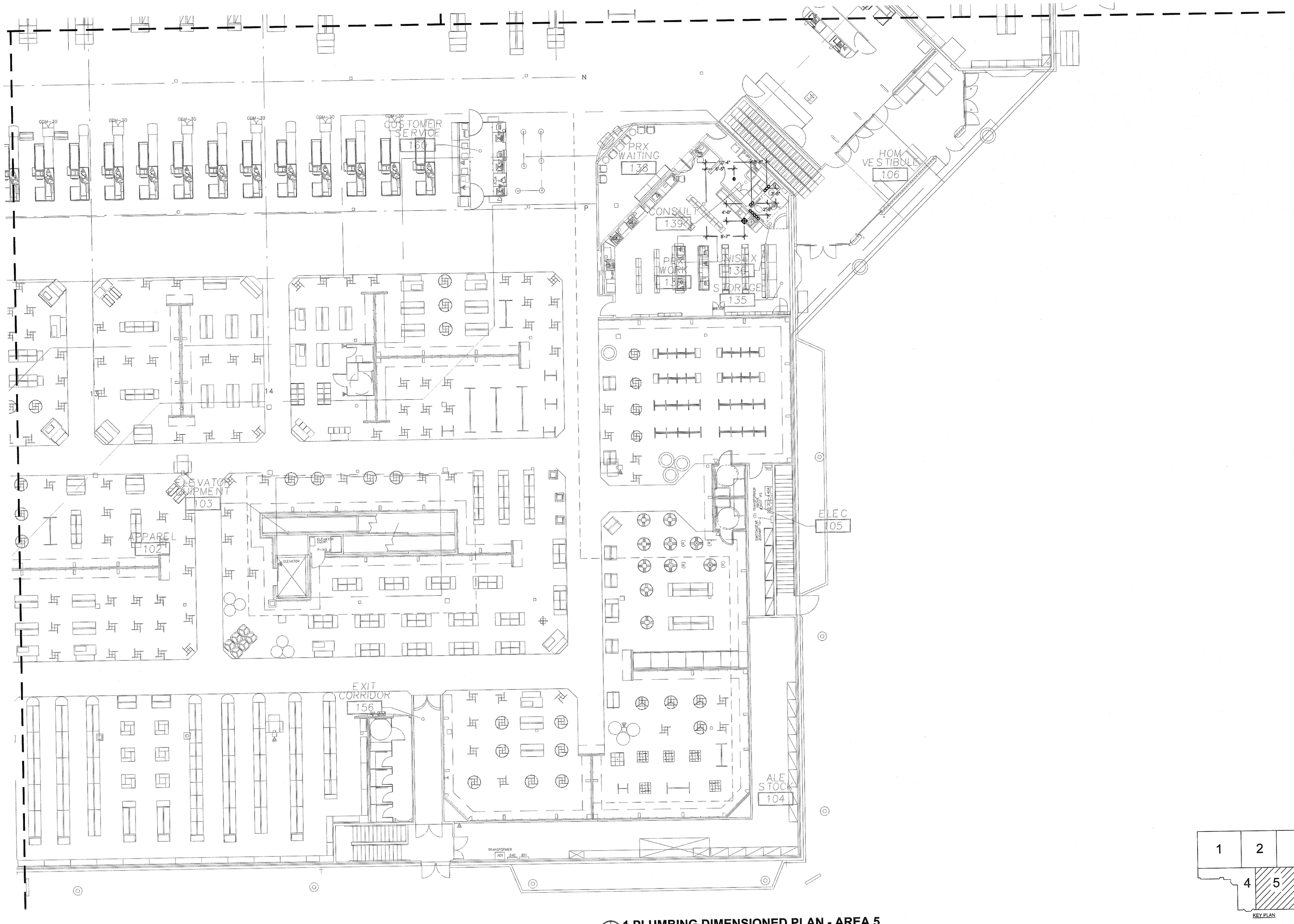

1 PLUMBING DIMENSIONED PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

FILE: 172_P1.4 – MASTER PLUMBING DIMENSIONED PLAN.DWG – P1.4.5 PLUMBING DIMENSIONED PLAN – AREA 5 | EDIT: 11/16/2015 3:34 PM BY LORENAR | PLOT: 12/15/2015 2:26 PM BY LORENA RUIZ

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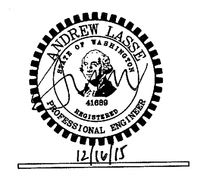

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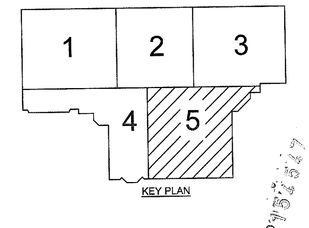

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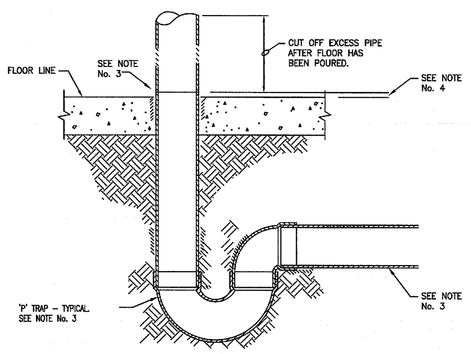
CHECKED BY: KW
SHEET
P1.4.5
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015



DELETED DRAIN DETAIL

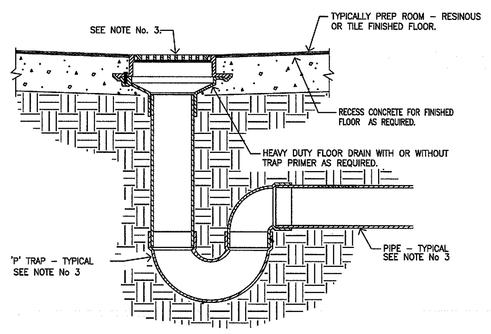
GENERAL NOTES:

1. SLOPE FLOOR TO FLOOR DRAIN AS INDICATED ON CONCRETE PLACEMENT PLAN.
2. REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
3. REFER TO PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAINS AND PIPING.
4. TYPICALLY 1" BUT REFERABLY 1/2" IF PERMITTED BY LOCAL PLUMBING INSPECTOR TO FACILITATE CONDENSATE DRAIN INSTALLATION.

TYPICAL HUB DRAIN DETAIL	DATE: 3/13/12 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	PSD-1

ORIGINAL ISSUE DATE 2/20/06

Notice:
FLOOR SLOPE AT 1/8" per FOOT.



Heavy Duty Floor Drain

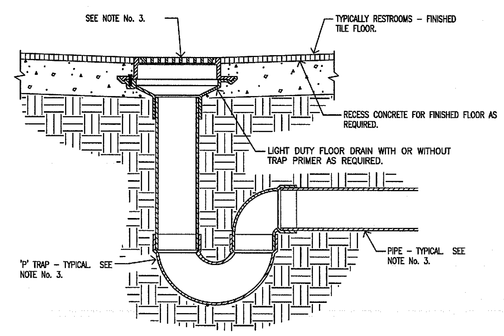
General Notes:

1. SLOPE FLOOR TO FLOOR DRAIN AS INDICATED ON CONCRETE PLACEMENT PLAN.
2. FD2, STAINLESS STEEL GRATE. REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
3. REFER TO PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAINS AND PIPING.

HEAVY DUTY FLOOR DRAIN DETAIL FOR FINISHED FLOORS	DATE: 3/13/12 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	PSD-2

ORIGINAL ISSUE DATE 2/20/06

Notice:
FLOOR SLOPE AT 1/8" per FOOT.



GENERAL NOTES:

1. SLOPE FLOOR TO FLOOR DRAIN AS INDICATED ON CONCRETE PLACEMENT PLAN.
2. FD1 OR FD1M NICKLE BRONZE GRATE. REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
3. REFER TO PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAINS AND PIPING.

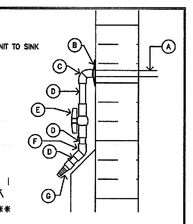
LIGHT DUTY FLOOR DRAIN DETAIL FOR FINISHED FLOORS	DATE: 3/13/12 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	PSD-3

ORIGINAL ISSUE DATE 8/9/10

ORIGINAL ISSUE DATE 2/20/06

Key Notes:

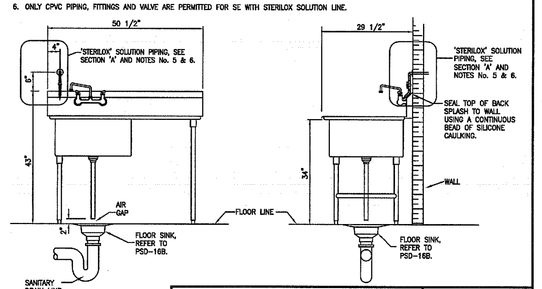
A. 1/2" CPVC PIPE FROM STERILOX UNIT TO SINK
B. 1/2" SHALLOW ESCUTCHEON
C. 1/2" CPVC 90° ELBOW
D. 1/2" CPVC PIPE
E. 1/2" CPVC BALL VALVE
F. 1/2" CPVC 45° ELBOW
G. 1/2" HOSE BARB FITTING



Section 'A'
** See Note No. 6 **

NOTES:

1. UNIT TO BE FURNISHED BY KROGER AND INSTALLED BY CONTRACTOR, SEE SPECS.
2. FOR DRAIN LINES REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
3. FINAL PLUMBING CONNECTIONS SHALL BE MAKE BY THE PLUMBING CONTRACTOR.
4. SEE PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAINS.
5. WHEN A STERILOX UNIT IS INDICATED ON FIXTURE PLAN THEN PROVIDE A 1/2" CPVC STERILOX SOLUTION LINE FROM STERILOX UNIT TO PRODUCT SINK AND TRIM STATION. STERILOX SOLUTION LINE SHOULD BE ROUTED BEHIND WALLS AND ABOVE CEILING (NOT EXPOSED TO VIEW) EXCEPT AT STERILOX UNIT AND AT PRODUCT SINK AND TRIM STATION.
6. ONLY CPVC PIPING, FITTINGS AND VALVE ARE PERMITTED FOR SE WITH STERILOX SOLUTION LINE.

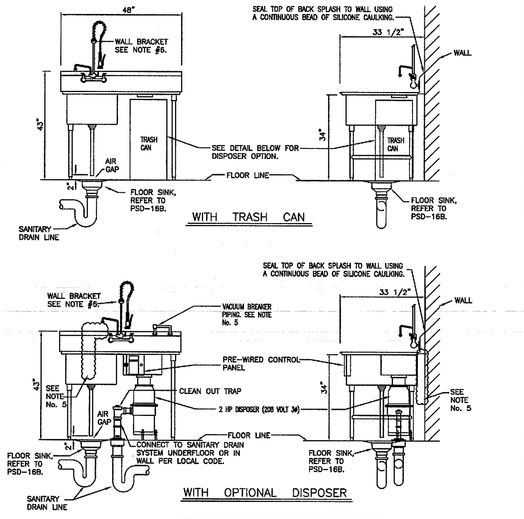


1-COMPARTMENT SINK	DATE: 3-23-11 SCALE: NONE DRAWN: DCS
MASTER SPECIFICATION DETAIL	PSD-5A

ORIGINAL ISSUE DATE 2/20/06

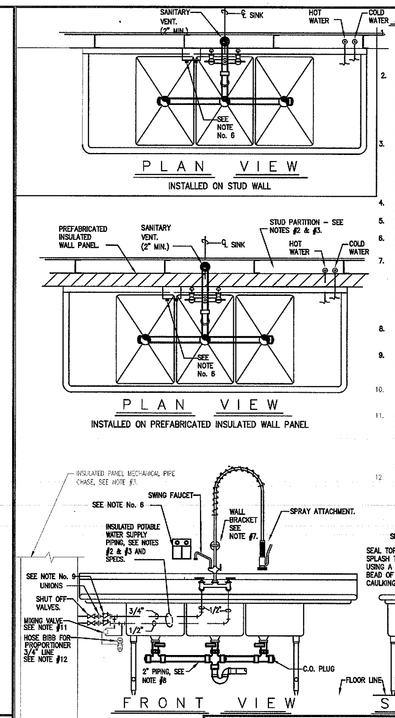
NOTES:

1. SEAFOOD PREP SINK SHALL BE PRE-PLUMBED AND WIRED WHEN EQUIPPED WITH DISPOSER UNIT. UNIT TO BE FURNISHED BY KROGER AND INSTALLED BY CONTRACTOR.
2. FOR DRAIN LINES REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
3. FINAL PLUMBING & ELECTRICAL CONNECTIONS SHALL BE MADE BY THE PLUMBING CONTRACTOR & THE ELECTRICAL CONTRACTOR.
4. SEE PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAINS.
5. PROVIDE A COLD WATER SUPPLY LINE -- 3/4" MINIMUM.
6. WHEN SINK IS INSTALLED ON PREFABRICATED INSULATED WALL PANELS SPRAYER BRACKET MUST BE ATTACHED TO 30" HIGH WOOD BLOCKING PROVIDED INSIDE PANEL, CENTERED APPROXIMATELY 54" AFF. TAP ON PANEL TO VERIFY LOCATION. WHEN SINK IS INSTALLED ON STUD PARTITION, ROUTE PIPING & PROVIDE BLOCKING INSIDE PARTITION FOR SECURE ATTACHMENT OF SPRAYER WALL BRACKET.
7. ALL SINKS EQUIPPED WITH SPRAYERS SHALL HAVE CHECK VALVES ON BOTH HOT & COLD WATER LINES UNDER THE SINKS SUPPLYING THE FAUCETS.



SEAFOOD PREP SINK	DATE: 10/11/12 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	PSD-5S

ORIGINAL ISSUE DATE 2/20/06



SIZES/CAPACITIES :

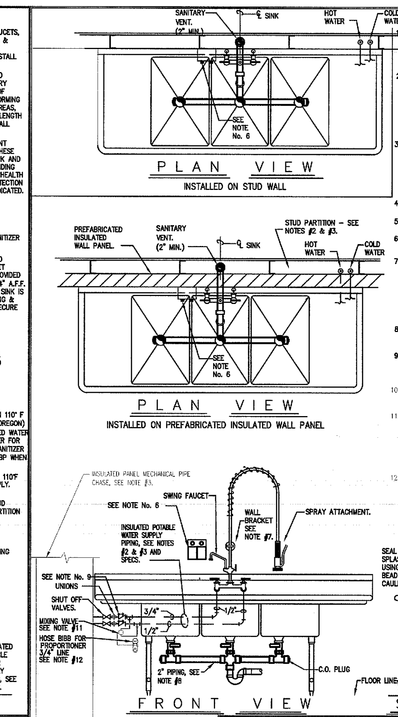
FL3M-7 = 48" x 20", 6.7 GALLONS/BOWL.
FL3-15 = 72" x 24 1/2", 11.8 GALLONS/BOWL.
FL3-20 = 100" x 33 1/2", 20.1 GALLONS/BOWL.

3-COMPARTMENT SINK	DATE: 9/17/13 SCALE: NONE DRAWN: KHS
MASTER SPECIFICATION DETAIL	PSD - 7

ORIGINAL ISSUE DATE 2/20/06

NOTES:

1. KROGER WILL FURNISH THE SINK, MIXING FAUCETS, 2" LEVER DRAINS, AND SPRAY ATTACHMENT & WALL BRACKET, AND (WHEN REQUIRED) THE HEATER AND DISPOSER. CONTRACTOR TO INSTALL SINK COMPLETE.
2. CONTRACTOR SHALL MAKE EVERY EFFORT TO INSTALL WATER SUPPLY PIPING AND SANITARY VENT PIPING ON OTHER SIDE (WARM SIDE) OF REFRIGERATED MEAT AND PRODUCE PREP AREAS. VIA STUD PARTITION CAVITY AS INDICATED. LENGTH OF PIPING ROUTED WITHIN THESE AREAS SHALL BE KEPT TO A MINIMUM.
3. IF WATER SUPPLY PIPING AND SANITARY VENT PIPING MUST BE ROUTED EXPOSED WITHIN THESE AREAS, PIPES SHALL BE ROUTED UNDER SINK AND SECURED TO WALL WITH PIPE CLAMPS PROVIDING SPACE BETWEEN PIPES AND WALL TO MEET HEALTH DEPARTMENT REQUIREMENTS. PHYSICAL PROTECTION MUST BE PROVIDED. VIA PIPE CHASE AS INDICATED.
4. PIPING WILL NOT BE PERMITTED IN COOLER OR FREEZER WALLS.
5. SEE MANUFACTURER'S DRAWINGS FOR DIMENSIONS AND BOWL CAPACITIES.
6. PROPORTIONER DISPENSER FOR SOAP & SANITIZER SYSTEM, VENDOR SUPPLIED & INSTALLED.
7. WHEN SINK IS INSTALLED ON PREFABRICATED INSULATED WALL PANELS SPRAYER BRACKET MUST BE ATTACHED TO WOOD BLOCKING PROVIDED INSIDE PANEL, CENTERED APPROXIMATELY 54" A.F.F. TAP ON PANEL TO VERIFY LOCATION. WHEN SINK IS INSTALLED ON STUD PARTITION, ROUTE PIPING & PROVIDE BLOCKING INSIDE PARTITION FOR SECURE ATTACHMENT OF SPRAYER WALL BRACKET.
8. FOR DRAIN LINES REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
9. ALL SINKS EQUIPPED WITH SPRAYERS SHALL HAVE CHECK VALVES ON BOTH HOT & COLD WATER LINES UNDER THE SINKS SUPPLYING THE FAUCETS.
10. REFER TO DRAWINGS FOR FINAL PLUMBING CONNECTION REQUIRED BY AUTHORITY HAVING JURISDICTION.
11. WHEN HOT WATER SUPPLY IS GREATER THAN 110° F (NOTE: THIS APPLIES TO ALL PROJECTS IN OREGON) PROVIDE MIXING VALVE TO PROVIDE TEMPERED WATER TO HOSE BIBB FOR PROPORTIONER DISPENSER FOR SOAP AND SANITIZER SYSTEM. SOAP AND SANITIZER SYSTEM INCLUDES AN AIR GAP. PROVIDE RPBP WHEN REQUIRED BY JURISDICTION.
12. WHEN HOT WATER SUPPLY TEMPERATURE IS 110°F OR LESS, CONNECT HOSE BIBB TO HW SUPPLY.

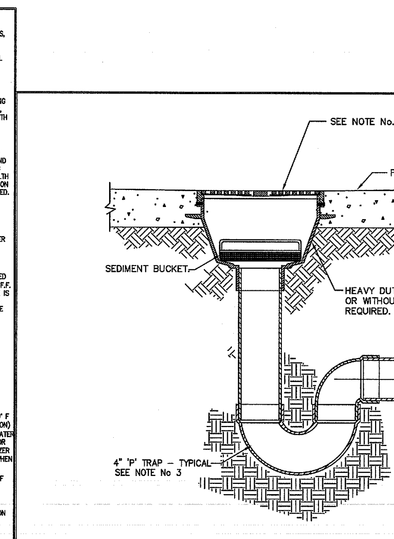


SIZES/CAPACITIES :

FL3M-7 = 48" x 20", 6.7 GALLONS/BOWL.
FL3-15 = 72" x 24 1/2", 11.8 GALLONS/BOWL.
FL3-20 = 100" x 33 1/2", 20.1 GALLONS/BOWL.

3-COMP CONDITIONING SINK FOR FOOD PREP	DATE: 9/17/13 SCALE: NONE DRAWN: KHS
MASTER SPECIFICATION DETAIL	PSD - 7A

ORIGINAL ISSUE DATE 2/20/06

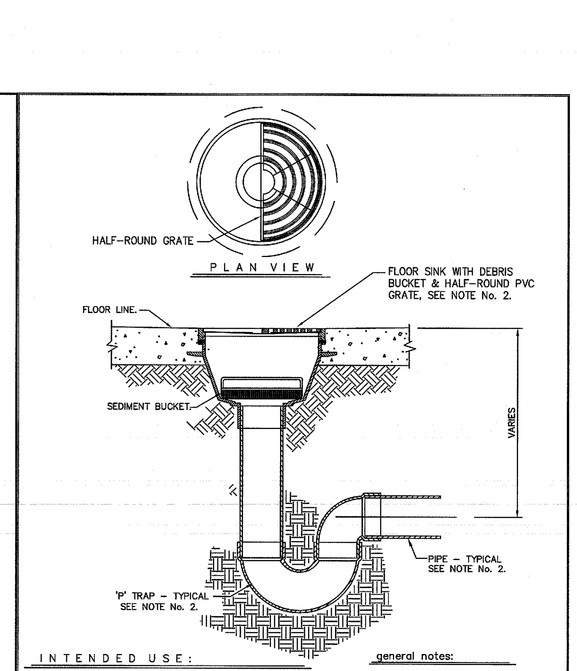


general notes:

1. SLOPE FLOOR TO FLOOR DRAIN AS INDICATED ON CONCRETE PLACEMENT PLAN.
2. FD6, CAST IRON GRATE. REFER TO BUILDING SPECIFICATION SECTION 22 13 00. FOR APPROVED PIPING MATERIAL.
3. REFER TO PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAIN AND PIPING.

TYPICAL HEAVY DUTY FLOOR DRAIN WITH DEBRIS BUCKET	DATE: 3/13/12 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	PSD-16

ORIGINAL ISSUE DATE 2/20/06



INTENDED USE:

MULTI-PURPOSE UNDER CABINET (IE: STARBUCKS COFFEE, ONE HOUR PHOTO, DELI LINEUP, ETC.) REFRIGERATED CASE FRONT DRAIN (WHERE REQUIRED BY CODE).

general notes:

1. REFER TO BUILDING SPECIFICATION SECTION 22 13 00 FOR APPROVED PIPING MATERIAL.
2. REFER TO PLUMBING PLAN FOR LOCATIONS AND SIZES OF DRAINS.

FLOOR SINK WITH DEBRIS BUCKET	DATE: 3/13/12 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	PSD-16B

ORIGINAL ISSUE DATE 2/20/06

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12/14/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:

PLUMBING DETAILS (SHEET 1 OF 5)

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DRAWN BY: MEJ

CHECKED BY: KHS

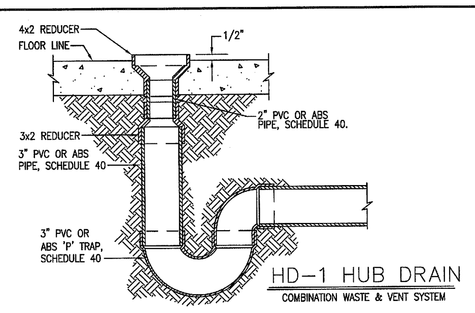
SHEET

P5.1

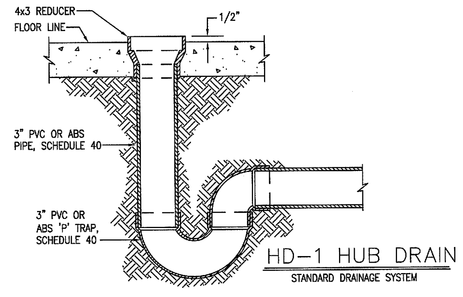
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_P5.1 – PLUMBING STANDARD DETAILS.DWG – P5.1 PLUMBING DETAILS (SHEET 1 OF 5) | EDIT: 12/15/2015 7:03 AM BY TODDK |
PLOT: 12/15/2015 2:26 PM BY LORENA RUIZ

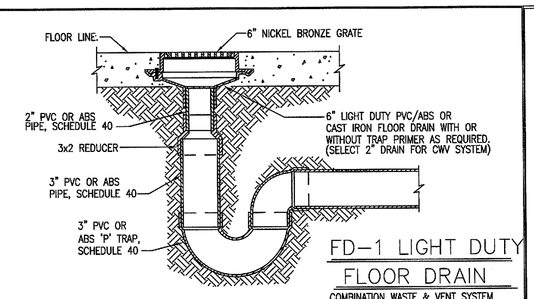


HD-1 HUB DRAIN
COMBINATION WASTE & VENT SYSTEM

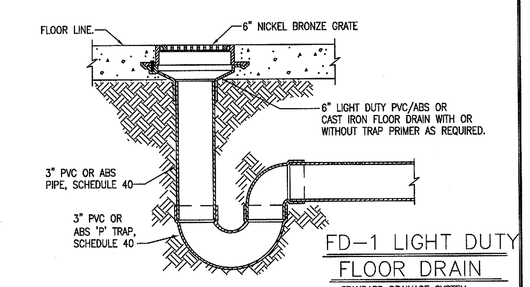


HD-1 HUB DRAIN
STANDARD DRAINAGE SYSTEM

TYPICAL HUB DRAIN DETAILS	DATE: 02.28.08 SCALE: NONE DRAWN: JN
MASTER SPECIFICATION DETAIL	NW-PSD-301



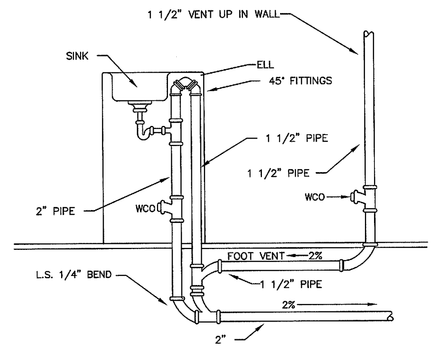
FD-1 LIGHT DUTY FLOOR DRAIN
COMBINATION WASTE & VENT SYSTEM



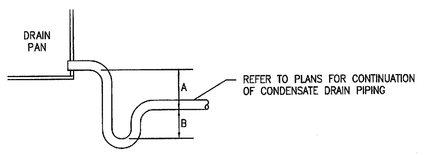
FD-1 LIGHT DUTY FLOOR DRAIN
STANDARD DRAINAGE SYSTEM

NOTE:
SLOPE FLOOR TO FLOOR DRAIN AS INDICATED ON CONCRETE PLACEMENT PLAN.

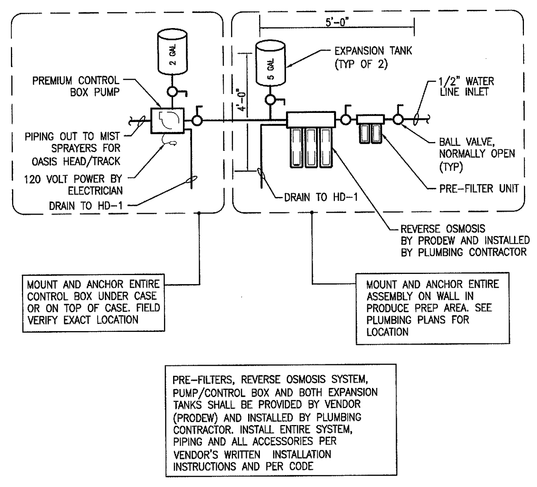
TYPICAL LIGHT DUTY FLOOR DRAIN DETAILS	DATE: 02.28.08 SCALE: NONE DRAWN: JN
MASTER SPECIFICATION DETAIL	NW-PSD-302



ISLAND VENT DETAIL	DATE: 02.20.06 SCALE: NONE DRAWN: DCS
MASTER SPECIFICATION DETAIL	NW-PSD-315

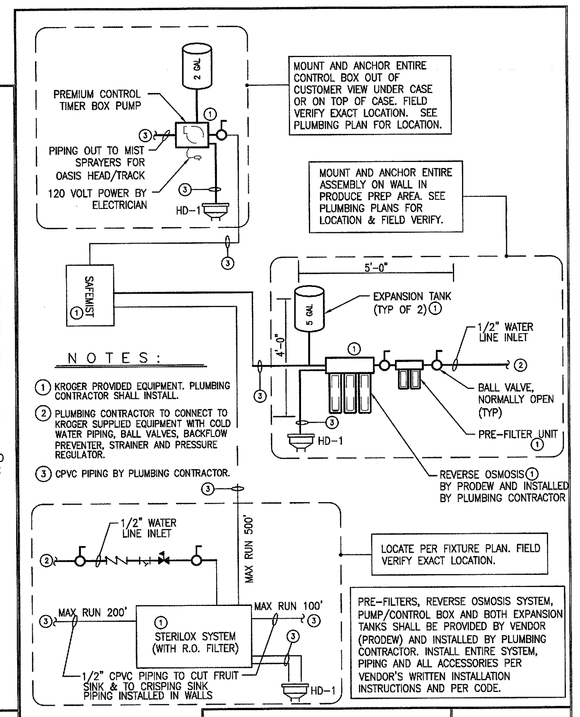


COOLING COIL CONDENSATE TRAP & PIPING DETAIL	DATE: 02.20.06 SCALE: NONE DRAWN: DCS
MASTER SPECIFICATION DETAIL	NW-PSD-336



PRE-FILTERS, REVERSE OSMOSIS SYSTEM, PUMP/CONTROL BOX AND BOTH EXPANSION TANKS SHALL BE PROVIDED BY VENDOR (PRODEW) AND INSTALLED BY PLUMBING CONTRACTOR. INSTALL ENTIRE SYSTEM, PIPING AND ALL ACCESSORIES PER VENDOR'S WRITTEN INSTALLATION INSTRUCTIONS AND PER CODE

PRODUCE MISTING STATION & PIPING DETAIL	DATE: 02.15.11 SCALE: NONE DRAWN: KHS
MASTER SPECIFICATION DETAIL	NW-PSD-338



NOTES:
1. KROGER PROVIDED EQUIPMENT. PLUMBING CONTRACTOR SHALL INSTALL.
2. PLUMBING CONTRACTOR TO CONNECT TO KROGER SUPPLIED EQUIPMENT WITH COLD WATER PIPING, BALL VALVES, BACKFLOW PREVENTER, STRAINER AND PRESSURE REGULATOR.
3. CPVC PIPING BY PLUMBING CONTRACTOR.

PRE-FILTERS, REVERSE OSMOSIS SYSTEM, PUMP/CONTROL BOX AND BOTH EXPANSION TANKS SHALL BE PROVIDED BY VENDOR (PRODEW) AND INSTALLED BY PLUMBING CONTRACTOR. INSTALL ENTIRE SYSTEM, PIPING AND ALL ACCESSORIES PER VENDOR'S WRITTEN INSTALLATION INSTRUCTIONS AND PER CODE.

PRODUCE MISTING STATION & PIPING DETAIL	DATE: 11.16.11 SCALE: NONE DRAWN: KHS
MASTER SPECIFICATION DETAIL	NW-PSD-338A

FILE: 172_P5.1 – PLUMBING STANDARD DETAILS.DWG – P5.2 PLUMBING DETAILS (SHEET 2 OF 5) | EDIT: 12/15/2015 7:03 AM BY TODDK
| PLOT: 12/15/2015 2:26 PM BY LORENA RUIZ

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REVISIONS:

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SHEET TITLE:
PLUMBING DETAILS (SHEET 2 OF 5)

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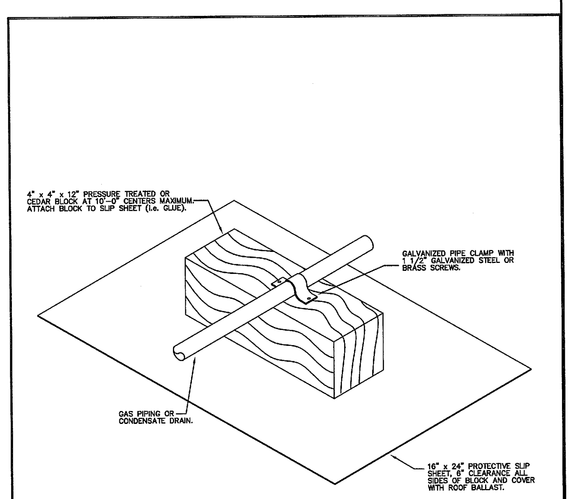
DRAWN BY: MEJ
CHECKED BY: KHS
SHEET
P5.2

215647

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015



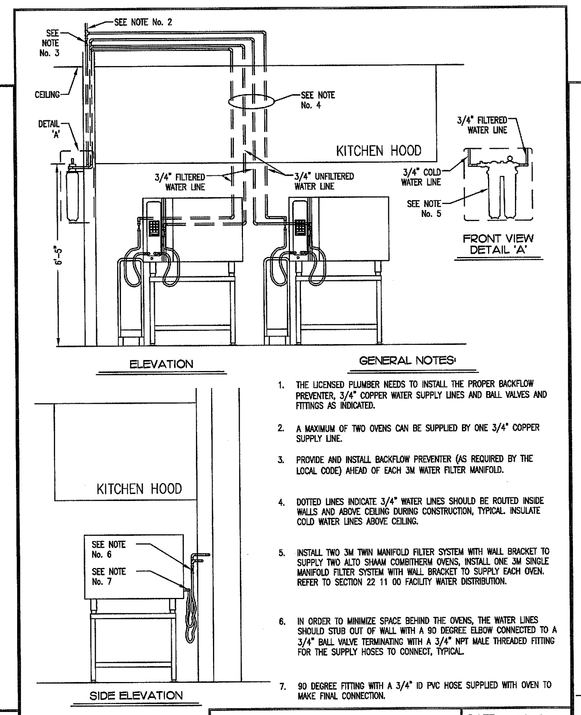
PIPING SUPPORT ON ROOF TOP

DATE: 7-29-14
SCALE: NONE
DRAWN: ZAW

MASTER SPECIFICATION DETAIL

PSD-35

ORIGINAL ISSUE DATE 9/1/06



GENERAL NOTES:

1. THE LICENSED PLUMBER NEEDS TO INSTALL THE PROPER BACKFLOW PREVENTER, 3/4" COPPER WATER SUPPLY LINES AND BALL VALVES AND FITTINGS AS INDICATED.
2. A MAXIMUM OF TWO OVENS CAN BE SUPPLIED BY ONE 3/4" COPPER SUPPLY LINE.
3. PROVIDE AND INSTALL BACKFLOW PREVENTER (AS REQUIRED BY THE LOCAL CODE) AHEAD OF EACH 3M WATER FILTER MANIFOLD.
4. DOTTED LINES INDICATE 3/4" WATER LINES SHOULD BE ROUTED INSIDE WALLS AND ABOVE CEILING DURING CONSTRUCTION, TYPICAL. INSULATE COLD WATER LINES ABOVE CEILING.
5. INSTALL TWO 3M TWIN MANIFOLD FILTER SYSTEM WITH WALL BRACKET TO SUPPLY TWO ALTO SHAAM COMBITHERM OVENS. INSTALL ONE 3M SINGLE MANIFOLD FILTER SYSTEM WITH WALL BRACKET TO SUPPLY EACH OVEN. REFER TO SECTION 22 11 00 FACILITY WATER DISTRIBUTION.
6. IN ORDER TO MINIMIZE SPACE BEHIND THE OVENS, THE WATER LINES SHOULD STUB OUT OF WALL WITH A 90 DEGREE ELBOW CONNECTED TO A 3/4" BALL VALVE TERMINATING WITH A 3/4" NPT MALE THREADED FITTING FOR THE SUPPLY HOSES TO CONNECT, TYPICAL.
7. 90 DEGREE FITTING WITH A 3/4" ID PVC HOSE SUPPLIED WITH OVEN TO MAKE FINAL CONNECTION.

NOTE:
1. DETAIL BASED ON MODEL CTP.
2. THIS LAYOUT IS BASED ON A NEW STORE. THE SAME REQUIREMENTS APPLY TO REMODELS WITH A SLIGHTLY DIFFERENT LAYOUT.

WATER SUPPLY LINES FOR ALTO SHAAM COMBI OVEN

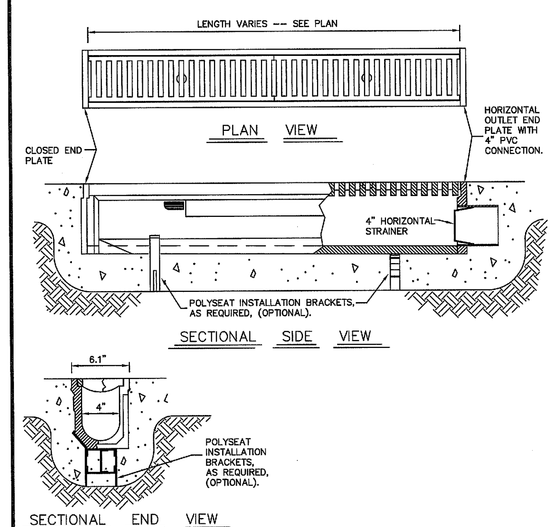
DATE: 4/17/15
SCALE: NONE
DRAWN: TMW

MASTER SPECIFICATION DETAIL

PSD-23

ORIGINAL ISSUE DATE 4/17/15

NOTE:
MODULAR TRENCH DRAIN SECTIONS AND DUCTILE IRON SLOTTED GRATES (EPOXY COATED). INSERT A 4 15/16" PLYWOOD SPACER IN GRATE OPENING WHEN FLOOR IS BEING POURED TO PREVENT COMPRESSION OF CHANNEL. SECURED GRATE SECTIONS ARE OPTIONAL.



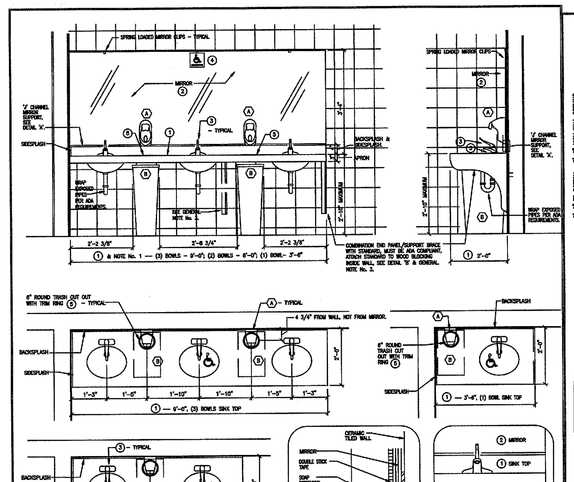
TYPICAL MODULAR TRENCH DRAIN

DATE: 02.20.06
SCALE: NONE
DRAWN: DCS

MASTER SPECIFICATION DETAIL

PSD-34

ORIGINAL ISSUE DATE 2/20/06



GENERAL NOTES:

1. RECOMMENDED MINIMUM WIDTH FOR EACH VERSION OF SINK TYPE LISTED (FOR TRASH CANS, BENCHES, ETC. CLEARANCE). CAN MAY BE WIDER BASED ON DESIGN CONDITIONS.
2. (2) BOWLS SINK, TYPE 'D' (7" UNDERMOUNT BOWLS) IS THE ADA COMPLIANT SINK TO BE SPECIFIED FOR ALL NEW AND REMODELED STORES.
3. ALL SINKS TO BE FIELD CHECKED FOR PROPER INSTALLATION OF CENTER DRAIN OUTLET LOCATION AND ADEQUATE CLEARANCE FOR P-TRAP. SUPPLY TO BRACED AND TRIM CHROME SUPPLY TO BE LOCATED TO BE SET TO ACHIEVE NO TRIM RESTRICTED OF PLUMBING.

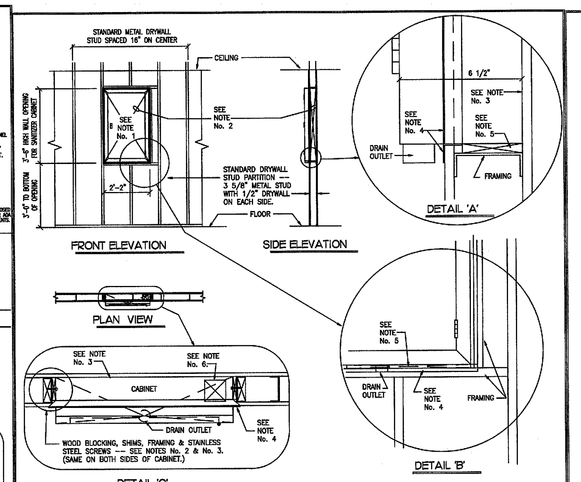
SOLID SURFACE TOPS WITH SINKS

DATE: 11/21/14
SCALE: NONE
DRAWN: ZAW

MASTER SPECIFICATION DETAIL

PSD-50

ORIGINAL ISSUE DATE 11/30/06



NOTES:

1. RECESSED SANITIZER CABINET --- REFER TO SECTION 10 28 13 TOILET ACCESSORIES IN SPECIFICATIONS. CABINET DESIGNED TO BE INSTALLED IN MINIMUM 3 5/8" STUD WALL. DO NOT INSTALL WITH DRAIN OUTLET INSIDE WALL CABINET TO DRAIN DIRECTLY ONTO FLOOR. NO PIPING REQUIRED. CABINET TO INCLUDE LOOSE FLANGE TO BE INSTALLED TO COVER SPACE BETWEEN CABINET AND ROUGH-IN OPENING.
2. FRAME IN A 26" WIDE x 42" HIGH OPENING FOR SANITIZER CABINET, THIS ALLOWS A 1/2" SPACE AROUND CABINET. CENTER CABINET IN OPENING AND SHIM SIDES AND BOTTOM AS REQUIRED TO SECURE SIDES TO FRAMING AND TO RAISE CABINET FOR FLANGE INSTALLATION.
3. INSTALL BACK OF CABINET TIGHT TO DRYWALL SECURE SIDE ONLY TO METAL FRAMING (WITH WOOD BLOCKING INSERTS), USING 1 1/4" STAINLESS STEEL PAN HEAD SCREWS THRU PRE-DRILL HOLES IN CABINET SIDE WHERE PROVIDED --- DO NOT SECURE OR DRILL HOLES IN BOTTOM OF CABINET.
4. INSTALL CABINET AND FLANGE AFTER FINISHED WALL SURFACE IS COMPLETED, FLANGE TO BE SECURED IN PLACE WITH CLEAR SILICONE CAULK TO CABINET AND TO FINISH WALL SURFACE. SIDE LEGS OF FLANGE TO BE INSTALLED INSIDE OF WALL CAVITY.
5. PROVIDE WOOD SHIMS AS REQUIRED TO RAISE CABINET FOR FLANGE INSTALLATION.
6. PROVIDE A HOT WATER LINE PIPED THRU ACCESS OPENING IN TOP RIGHT HAND SIDE OF CABINET. TERMINATE PIPE WITH A HOT WATER HOSE BIBB WITH VACUUM BREAKER. PROVIDE A MIXING VALVE SET AT 110° F. FOR EXISTING SYSTEMS REQUIRED TO BE OVER 110° F. INSTALL MIXING VALVE IN REMOTE LOCATION WHERE MOST EASILY ACCESSIBLE AND PIPE TEMPERED WATER LINE TO SANITIZER CABINET, ONE MIXING VALVE CAN SERVE A SINGLE OR MULTIPLE SANITIZER CABINETS.

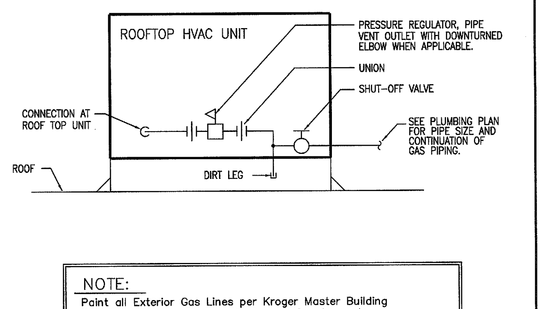
RECESSED SANITIZER CABINET

DATE: 10/11/12
SCALE: NONE
DRAWN: ZAW

MASTER SPECIFICATION DETAIL

PSD-57

ORIGINAL ISSUE DATE 9/24/07



NOTE:
Paint all Exterior Gas Lines per Kroger Master Building Specifications -- Section 01 General Requirements

GAS PIPING CONNECTIONS AT ROOF TOP UNITS

DATE: 01-30-09
SCALE: NONE
DRAWN: DCS

MASTER SPECIFICATION DETAIL

PSD-55

ORIGINAL ISSUE DATE 11/30/06

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SHEET TITLE:

PLUMBING DETAILS (SHEET 3 OF 5)

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P5.3

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FILE: 172_P5.1 – PLUMBING STANDARD DETAILS.DWG – P5.3 PLUMBING DETAILS (SHEET 3 OF 5) | EDIT: 12/15/2015 7:03 AM BY TODDK
| PLOT: 12/15/2015 2:27 PM BY LORENA RUIZ

WATER HEATER SCHEDULE

SYMBOL	EQUIPMENT TYPE	LOCATION / SERVING	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	TANK CAPACITY (GALLONS)	GAS DATA INPUT (MBH)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL AMPS	ELECTRICAL KW	COMMENTS
EWH-1	ELECTRIC WATER HEATER	BELOW CABINET, PHARMACY	A.O. SMITH	DEN-20	20	-	208	1		4.5	

NOTES:

MISCELLANEOUS EQUIPMENT SCHEDULE

SYMBOL	EQUIPMENT TYPE	LOCATION / SERVING	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	CAPACITY	GAS DATA INPUT (MBH)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL AMPS	ELECTRICAL WATTS	COMMENTS
DET-1	EXPANSION TANK	HOT WATER SYSTEM	AMTROL-THERM-X-TROL		2.2	-	-	-	-	-	3/4" CW CONNECTION, WELDED STEEL CONTRUCTION, SERPARATE WATER RESERVOIR, PRE PRESSURIZED. IAPMO CERTIFIED

NOTES:

PLUMBING DEVICES SCHEDULE

SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	BASIS OF DESIGN ACCESSORIES	CONNECTION W	CONNECTION V	CONNECTION CW	CONNECTION HW	NOTES
TP-1-A - I	TRAP PRIMER	ELECTRONIC TRAP PRIMER, FLUSH MOUNTED	PPP	PRIME-TIME		---	---	3/4"	---	PROVIDE 115 VOLTS

NOTES:

"BY OWNER" PLUMBING FIXTURE SCHEDULE

OWNER PROVIDED - CONTRACTOR INSTALLED

SYMBOL	FURNISHED BY	DESCRIPTION	ROUGH-IN & CONNECTION BY	WASTE	VENT	HOT	COLD	GAS (MBH)
CO-1	OWNER	COMBI OVEN WITH STAND	PLUMBER	INDIRECT TO FLOOR SINK	–	–	1/2"	–
GD-1	OWNER	GARBAGE DISPOSER:	PLUMBER	DIRECT CONN. TO HD-1	–	–	1/2"	–
HS-1	SINK AND FAUCET BY OWNER	HAND SINK	PLUMBER	2"	1 1/2"	1/2"	1/2"	–
HS-2	SINK AND FAUCET BY OWNER	DROP-IN SINK: (FLORAL)	PLUMBER	2"	1 1/2"	1/2"	1/2"	–
HS-3	SINK AND FAUCET BY OWNER	DROP-IN SINK: (PHARMACY)	PLUMBER	2"	1 1/2"	1/2"	1/2"	–
MS-1	OWNER	PRODUCE MISTING SYSTEM CONTROLLER	PLUMBER	INDIRECT TO HUB DRAIN	–	–	1/2"	–
OV-1	OWNER	DOUBLE RACK OVEN:	PLUMBER	INDIRECT TO FLOOR SINK	–	–	1/2" (4)	300
PS-1	SINK AND FAUCET BY OWNER	SINGLE COMPARTMENT STAINLESS STEEL PREP SINK	PLUMBER	INDIRECT TO FLOOR SINK	–	1/2"	1/2"	–
PS-3	SINK AND FAUCET BY OWNER	THREE COMPARTMENT STAINLESS STEEL UTENSIL SINK	PLUMBER	3"	2"	1/2"	1/2"	–
PS-4	SINK AND FAUCET BY OWNER	PRODUCE TRIM STATION SINK WITH DISPOSER	PLUMBER	INDIRECT TO FLOOR SINK	–	1/2"	1/2"	–
PS-5	SINK AND FAUCET BY OWNER	THREE COMPARTMENT UTENSIL SINK (IN-LINE WITH DISPOSER & PANWASHER)	PLUMBER	3"	2"	1/2"	1/2"	–
RO-1	OWNER	ROTISSERIE OVEN; DOUBLE STACKED ELECTRIC	PLUMBER	(8)	–	1/2" (4)	–	–
SD-1	OWNER	SODA DISPENSER WITH ICE BIN	PLUMBER	INDIRECT TO FLOOR SINK	–	–	1/2" (6)	–
HR-1	OWNER	HOSE REEL: (FOOD SERVICES)	PLUMBER	–	–	–	3/4"	–
P62	OWNER	PRODUCE MISTING SYSTEM CONTROLLER	PLUMBER	INDIRECT TO HUB DRAIN	–	–	1/2"	–

PLUMBING FIXTURE SCHEDULE

CONTRACTOR PROVIDED & INSTALLED

(REFER TO SPECIFICATIONS FOR FIXTURE MANUFACTURER & MODEL NUMBERS WHEN NOT SHOWN IN SCHEDULE)

SYMBOL		WASTE (1)	VENT	HOT	COLD
P-1 (2)	LAVATORY: UNDERMOUNT BOWL INTERGRAL WITH SOLID SURFACE COUNTERTOP W/ DELTA 511 WFHDF LEVER FAUCET (.5 GPM) C.P. SUPPLIES & ANGLE STOPS WITH C.P. BRASS P-TRAP. SEE DETAIL PSD-50 FIXTURE COLOR: BISQUE.	1 1/2"	1 1/2"	1/2"	1/2"
P-2A	WATER CLOSET (FLOOR MOUNT-ADA): AMERICAN STANDARD; MADERA 3461.150, 1-1/2" TOP SPUD WITH SLOAN WES-111 MANUAL DUAL-FLUSH VALVE (1.1 & 1.5 GPF) & BENEKE 527 SEAT. FIXTURE COLOR: WHITE	4"	2"	–	1"
P-4	DRINKING FOUNTAIN: OASIS MODEL # PBSBFSL WALL HUNG COOLER, WITH BOTTLE FILLER & S.S. TOP, 120/60/1 (4.6 AMPS) 8 G.P.H. COMPLETE W/ FIXTURE SUPPORT, P-TRAP & ANGLE SUPPLY W/ STOP.	1 1/2"	1 1/2"	–	1/2"
P-7	HOSE BIBB: WOODFORD; MODEL 24PCH, POLISHED CHROME INTERIOR HOSE BIBB WITH VACUUM BREAKER.	–	–	–	3/4"
FD-1	FLOOR DRAIN (LIGHT DUTY): SIOUX CHIEF; 863-43NRT, WITH 6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER. PROVIDE WITH TRAP PRIMER, PER SPEC. SEE DETAIL PSD-1.	3"	2"	–	–
FD-4	FLOOR SINK (ROUND, MULTI PURPOSE): SIOUX CHIEF; 860-4PU2, HEAVY DUTY PVC BODY, WITH 8-1/2-INCH ROUND PVC HALF GRATE STRAINER AND PVC DEBRIS BUCKET, GREY IN COLOR. SEE DETAIL PSD-16B.	4"	2"	–	–
FD-4A	FLOOR SINK (SQUARE MAX, STARBUCKS): SIOUX CHIEF; 861-4PU2, HEAVY DUTY PVC BODY, WITH 10-11/16-INCH SQUARE PVC HALF GRATE STRAINER AND PVC DEBRIS BUCKET, GREY IN COLOR. SEE DETAIL PSD-16B.	4"	2"	–	–
HD-1	HUB DRAIN: 4" PROVIDE WITH TRAP PRIMER. SEE DETAIL PSD-1.	4"	2"	–	–
TD-1	TRENCH DRAIN (BUILDING INTERIOR): ZURN; Z806, H-20 RATED 6" WIDE DRAIN WITH HEAVY DUTY FRAME, ANCHOR STUDS AND CAST IRON GRATE WITH MECHANICAL LOCKDOWN. SEE PLANS FOR LENGTH. PROVIDE WITH TRAP AND TRAP PRIMER. SEE DETAIL PSD-34.	4"	2"	–	–

BAKERY EQUIPMENT				PLUMBING ROUGH IN											
QTY	ITEM NUMBER	DESCRIPTION	REMARKS	HW	CW	HT	IND	DIR	HT	GAS	MBTU	HT	REMARKS	ITEM NUMBER
1	PLHSWE	1 COMPARTMENT WALLL HUNG HAND SINK WITH EYEWASH	SPG	1/2"	1/2"	+16"		2"	+8.5"				SPEAKMAN EYEWASH, POWERS EM. ASME 1070 MIXING VALVE	PLHSWE
1	PL1PC	1 COMPARTMENT PREP SINK (24" BOWL) (NO DRAINBOARD)		1/2"	1/2"	+16"	FS							PL1PC

DELI - CATERING				PLUMBING ROUGH IN										
QTY	ITEM NUMBER	DESCRIPTION	REMARKS	HW	CW	HT	IND	DIR	HT	GAS	MBTU	HT	REMARKS	ITEM NUMBER
2	D15CS-480	SELF COOKING SINGLE COMBI OVENW/STAND (208V)			3/4"	+12"	FS							D15CS-480
2	PL1PC-18	1 COMPARTMENT PREP SINK (18" BOWL) (NO DRAINBOARD)		1/2"	1/2"	+16"	FS							PL1PC-18
1	PL1PC	1 COMPARTMENT PREP SINK (24" BOWL) (NO DRAINBOARD)		1/2"	1/2"	+16"	FS							PL1PC
1	PLHSW	HAND SINK (WALL MOUNT)	UNIVERSAL STAINLESS	1/2"	1/2"	+16"		2"	+8.5"				PROVIDE ASME 1070 MIXING VALVE	PLHSW

SEAFOOD				PLUMBING ROUGH IN										
QTY	ITEM NUMBER	DESCRIPTION	REMARKS	HW	CW	HT	IND	DIR	HT	GAS	MBTU	HT	REMARKS	ITEM NUMBER
1	PL1R-24	1 COMPARTMENT SINK (24" RHDB)	UNIVERSAL STAINLESS K-1N-24-RD24	1/2"	1/2"	+16"	FS							PL1R-24
2	PLHSWE	HAND SINK (WALL MOUNT)	UNIVERSAL STAINLESS K-CHS-1-WM	1/2"	1/2"	+16"		2"	+8.5"				PROVIDE ASME 1070 MIXING VALVE	PLHSWE

PRODUCE PREP				PLUMBING ROUGH IN										
QTY	ITEM NUMBER	DESCRIPTION	REMARKS	HW	CW	HT	IND	DIR	HT	GAS	MBTU	HT	REMARKS	ITEM NUMBER
1	P43B	REVERSE OSMOSIS UNIT FOR PRODUCE MISTING	KES		1/2"		HD							P43B
1	PLHSWE	1 COMPARTMENT WALLL HUNG HAND SINK WITH EYEWASH	SPG	1/2"	1/2"	+16"		2"	+8.5"				SPEAKMAN EYEWASH, POWERS EM. ASME 1070 MIXING VALVE	PLHSWE
2	PL3-20	3COMPARTMENT SINK (24"	UNIVERSAL STAINLESS	1/2"	1/2"	+16"		2"	+8.5"					PL3-20
1	PL1L24	1 COMPARTMENT SINK (24" LHDB)	UNIVERSAL STAINLESS	1/2"	1/2"	+16"		2"	+8.5"					PL1L-24
1	P62		STELILOX 2300		1/2"	+24"	FS						PROVIDE HOSE BIBB	P62

SCHEDULE KEY NOTES

1. MINIMUM 2" UNDER SLAB
2. PROVIDE SAFETY COVERS ON HOT & COLD WATER & P-TRAPS
3. SEE PLANS FOR DRAIN SIZE.
4. PROVIDE WITH WATER PRESSURE REGULATOR SET TO 45 PSI.
5. PROVIDE WITH WATER PRESSURE REGULATOR SET TO 25 PSI.
6. PROVIDE WITH BACKFLOW PREVENTER PER SPECIFICATIONS AND/OR LOCAL JURISDICTIONAL REQUIREMENTS.
7. NOT USED.
8. INSTALL DOWNTURNED ELBOW FOR GREASE DRAIN INTO 5 GALLON BUCKET.
9. PROVIDE TRAP PRIMERS ON ALL HUB DRAINS, FLOOR DRAINS AND TRENCH DRAINS FLOOR DRAINS, A TRAP PRIMING DEVICE SHOULD BE LOCATED OUT OF CUSTOMERS' VIEW.

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ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
A	AMPERES, AMBER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARF	ABOVE RAISED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BARE COPPER
C	CONDUIT, CLOSE, CONTROL
CA	CABLE
CAT	CATEGORY
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CLG	CEILING
CNTL	CONTROL
COM	COMMUNICATION
COORD	COORDINATE
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CT	CURRENT TRANSFORMER
CU	COPPER
dB	DECIBEL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
E	EMERGENCY
EA	EACH
EL	ELEVATION
ENT	ELECTRICAL NON-METALLIC TUBING
ESD	ELECTROSTATIC DISCHARGE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FF	FINISH FLOOR
FMS	FACILITY MANAGEMENT SYSTEMS
FT	FOOT, FEET
G, GND	GROUND
GE	GROUNDING EQUALIZER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GRC	GALVANIZED RIGID STEEL CONDUIT
HC	HORIZONTAL CROSS CONNECT
HH	HANDHOLE
HT	HEIGHT
ID	IDENTIFICATION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN	INCH, INCHES
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LV	LOW VOLTAGE
M	MOTOR
MCA	MINIMUM CIRCUIT AMPS
MDU	MULIT-DWELLING UNIT
MHz	MEGAHERTZ
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MT, MTD	MOUNT, MOUNTED
MTS	MANUAL TRANSFER SWITCH
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRIC SAFETY CODE
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OSP	OUTSIDE PLANT
PH	PHASE
PNL	PANEL
PVC	POLY-VINYL-CHLORIDE
QTY	QUANTITY
REQD	REQUIRED
RFI	REQUEST FOR INFORMATION
RM	ROOM
SHT	SHEET
SPD	SURGE PROTECTION DEVICE
SPKR	SPEAKER
STD	STANDARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBD	TO BE DETERMINED
TELE	TELEPHONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TP	TRANSITION POINT
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS, VOLTAGE
VRFY	VERIFY
W/	WITH
W/O	WITHOUT
W	WIRE, WHITE
WAO	WORK AREA OUTLET
WP	WEATHERPROOF

Connections / Equipment

- COMBINATION ADJUSTABLE FREQUENCY DRIVE WITH SAFETY DISCONNECT SWITCH
- COMBINATION MOTOR STARTER/FUSED DISCONNECT SWITCH
- CONTACTOR COIL
- DOUBLE CELL UNDERFLOOR DUCT WITH JUNCTION BOX. EACH CELL FOR USE NOTED. SOLID DOT INDICATES ACTIVATION
- HEAVY DUTY FUSED DISCONNECT SWITCH
- JUNCTION BOX
- JUNCTION BOX WITH PENDANT EQUIPMENT CONNECTION
- WALL-MOUNTED JUNCTION BOX
- MOTOR CONNECTION
- MOTOR STARTER
- NON-FUSED DISCONNECT SWITCH
- RELAY
- SINGLE CELL UNDERFLOOR DUCT WITH JUNCTION BOX. SOLID DOT INDICATES ACTIVATION
- SOLENOID VALVE CONNECTION
- TRANSFORMER
- TRIPLE CELL UNDERFLOOR DUCT WITH JUNCTION BOX. EACH CELL FOR USE NOTED. SOLID DOT INDICATES ACTIVATION
- UTILITY METER BASE

Fire Alarm

- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM CONTROL PANEL
- NOTIFICATION APPLIANCE CIRCUIT PANEL
- BEAM TYPE SMOKE DETECTOR (BT = TRANSMITTER, BR = RECIEVER/REFLECTOR)
- PULL STATION
- SMOKE DETECTOR
- SMOKE DETECTOR, DUCT MOUNTED
- SPRINKLER FLOW SWITCH WITH INPUT MODULE
- SPRINKLER POST INDICATOR VALVE CONNECTION WITH INPUT MODULE
- SPRINKLER PRESSURE SWITCH WITH INPUT MODULE
- SPRINKLER TAMPER SWITCH WITH INPUT MODULE
- HEAT DETECTOR
- HORN/STROBE COMBINATION (# INDICATES MINIMUM CANDELA RATING)
- STROBE, CEILING MOUNTED (# INDICATES MINIMUM CANDELA RATING)
- STROBE, WALL MOUNTED (# INDICATES MINIMUM CANDELA RATING)

General

- DEMOLISH
- EXISTING WORK
- NEW WORK
- DETAIL NUMBER AND SHEET LOCATION
- EQUIPMENT IDENTIFICATION
- FOOD SERVICE EQUIPMENT / CALCULATION TAG
- KEYED NOTE
- POINT OF CONNECTION
- SECTION NUMBER AND SHEET LOCATION

Lighting

- COMBINATION EXIT SIGN CEILING MOUNTED AND DUAL HEAD EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARRROW(S) INDICATES DIRECTION IF SHOWN
- COMBINATION EXIT SIGN WALL MOUNTED AND DUAL HEAD EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARRROW(S) INDICATES DIRECTION IF SHOWN
- EMERGENCY LUMINAIRE WITH BATTERY PACK
- EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
- EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
- AREA BOLLARD LUMINAIRE WITH CONCRETE BASE
- AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE
- AREA LUMINAIRE POLE TOP MOUNTED WITH POLE AND CONCRETE BASE
- FLOODLIGHT
- FLUSH IN GRADE EXTERIOR WATERTIGHT LUMINAIRE
- RECESSED 1' X 4' LUMINAIRE
- RECESSED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- RECESSED 2' X 2' LUMINAIRE
- RECESSED 2' X 2' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- RECESSED 2' X 4' LUMINAIRE
- RECESSED 2' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- RECESSED 2' X 4' LUMINAIRE ON CRITICAL POWER
- RECESSED LUMINAIRE
- RECESSED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
- RECESSED LUMINAIRE ON CRITICAL POWER
- SURFACE MOUNTED 2' X 4' LUMINAIRE
- SURFACE MOUNTED 2' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- SURFACE MOUNTED 2' X 4' LUMINAIRE ON CRITICAL POWER
- SURFACE MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE
- SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE ON CRITICAL POWER
- SURFACE OR PENDANT MOUNTED 1' X 8' LUMINAIRE
- SURFACE OR PENDANT MOUNTED 6" X 8' LUMINAIRE
- SURFACE OR PENDANT MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- SURFACE OR PENDANT MOUNTED LUMINAIRE ON CRITICAL POWER
- SURFACE OR PENDANT MOUNTED STRIPLIGHT
- TRACKLIGHT WITH LUMINAIRE(S)
- TRACKLIGHT WITH LUMINAIRE(S)

Miscellaneous

- BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
- BRANCH PANEL
- CIRCUIT BREAKER
- CIRCUIT BREAKER WITH GROUND FAULT INTERRUPTING
- CIRCUIT BREAKER WITH KIRK-KEY LOCK SYSTEM
- CIRCUIT BREAKER WITH SHUNT TRIP
- CURRENT TRANSFORMER
- DRY TYPE TRANSFORMER
- FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
- FLUSH WALL MOUNTED BRANCH PANEL
- FUSE
- FUSED DISCONNECT SWITCH OR SWITCH/FUSE IN SWITCHBOARD
- GROUND ROD
- GROUNDING POINT
- LANDING LUG
- MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
- POWER UTILITY POLE
- STANDBY/EMERGENCY GENERATOR
- SUBGRADE VAULT CATV
- SUBGRADE VAULT POWER
- SUBGRADE VAULT TELEPHONE
- SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED
- SWITCH
- TELEPHONE UTILITY POLE
- UTILITY TRANSFORMER PAD/VAULT
- WATER PIPE GROUND CONNECTION

Raceways

- CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
- EXISTING CONDUIT CONCEALED IN WALL OR CEILING SPACE
- EXISTING CONDUIT ROUTED BELOW FLOOR / GRADE
- OVERHEAD PRIMARY SERVICE
- OVERHEAD TELEPHONE SERVICE
- UNDERGROUND CABLE TELEVISION SERVICE
- UNDERGROUND PRIMARY SERVICE
- UNDERGROUND SECONDARY SERVICE
- UNDERGROUND TELEPHONE SERVICE

Switches and Receptacles

- DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  - A = ABOVE COUNTER
  - B = CLOCK HANGER
  - C = FLUSH CEILING MOUNTED
  - E = EMERGENCY
  - F = ARC FAULT PROTECTED BY BREAKER IN PANEL
  - G = GROUND FAULT CIRCUIT INTERRUPTER
  - H = HOSPITAL GRADE
  - K = CHILD RESISTANT COVER
  - IG = ISOLATED GROUND
  - P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH
  - S = SPLIT WIRED
  - T = TAMPER RESISTANT SHUTTERED RECEPTACLE
  - W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
  - ? = DESIGNER DEFINED
- DUPLEX RECEPTACLE, FLUSH FLOOR
- DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- SINGLE RECEPTACLE, FLUSH FLOOR
- SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- EQUIPMENT ELECTRICAL CONNECTION
- SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION
  - L-XXXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE
  - X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE
  - P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH
  - X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
- PENDANT RECEPTACLE WITH CORD GRIPS. VERIFY PENDANT LENGTH. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- FLOOR PEDESTAL WITH FLOOR BOX OR POKE-THRU BOX, AND DOUBLE DUPLEX RECEPTACLE
- FLOOR PEDESTAL WITH FLOOR BOX OR POKE-THRU BOX, AND DUPLEX RECEPTACLE
- FLUSH POKE-THRU WITH DUPLEX RECEPTACLE AND RACEWAY FOR SIGNAL CABLES
- CEILING MOUNTED OCCUPANCY SENSOR
  - P = PASSIVE INFRARED
  - D = DUAL TECHNOLOGY
  - U = ULTRASONIC, 360 DEG RANGE
  - H = ULTRASONIC, HALLWAY PATTERN
- WALL MOUNTED OCCUPANCY SENSOR
  - P = PASSIVE INFRARED
  - D = DUAL TECHNOLOGY
- WALL MOUNTED OCCUPANCY SENSOR/SWITCH
  - S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH
  - T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES
  - D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF.
- MULTIPLE CHANNEL SURFACE METAL RECEPTACLE RACEWAY WITH LOW VOLTAGE DIVIDERS, LENGTH AND RECEPTACLES AS INDICATED
- SURFACE METAL RECEPTACLE RACEWAY
- MULTI CHANNEL DIMMER CONTROLLER
- PHOTO ELECTRIC SWITCH
  - D = CONTINUOUS DIMMING PHOTOCELL
  - S = SWITCHING PHOTOCELL
- SINGLE POLE SWITCH
  - 2 = DOUBLE POLE SWITCH
  - 3 = THREE-WAY SWITCH
  - 4 = FOUR-WAY SWITCH
  - a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
  - D = DIMMER
  - F = FAN SPEED CONTROL
  - K = KEY OPERATED SWITCH
  - L = LIGHTED HANDLE
  - M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
  - P = SWITCH WITH PILOT LIGHT
  - S = SENTRY SWITCH
  - T = INTERVAL TIMER
  - W = WEATHERPROOF SWITCH
  - V = LOW VOLTAGE SWITCH
  - ? = DESIGNER DEFINED SWITCH
- WALL MOUNTED AUTOMATIC SWITCH
  - A = AUTOMATIC (SENTRY) WALL SWITCH
  - T = TIMER SWITCH

ELECTRICAL DRAWINGS LIST:

E0.0	ELECTRICAL SYMBOL & SHEET LIST
ED1.1	LIGHTING DEMOLITION PLAN – OVERALL
ED1.1.2	LIGHTING DEMOLITION PLAN – MEZZANINE
ED1.2.1	POWER DEMOLITION PLAN – OVERALL
ED1.2.2	POWER DEMOLITION PLAN – MEZZANINE
ED1.2.3	POWER DEMOLITION PLAN – MEZZANINE
E1.1	ELECTRICAL LIGHTING PLAN – OVERALL
E1.1.1	ELECTRICAL LIGHTING PLAN – AREA 1
E1.1.2	ELECTRICAL LIGHTING PLAN – AREA 2
E1.1.3	ELECTRICAL LIGHTING PLAN – AREA 3
E1.1.4	ELECTRICAL LIGHTING PLAN – AREA 4
E1.1.5	ELECTRICAL LIGHTING PLAN – AREA 5
E1.1.6	ELECTRICAL LIGHTING PLAN – MEZZANINE
E1.1.7	ELECTRICAL LIGHTING PLAN – MEZZANINE
E1.2.1	ELECTRICAL SPECIALTY LIGHTING PLAN – AREAS 1
E1.2.2	ELECTRICAL SPECIALTY LIGHTING PLAN – AREAS 2
E1.2.3	ELECTRICAL SPECIALTY LIGHTING PLAN – AREAS 3
E1.2.4	ELECTRICAL SPECIALTY LIGHTING PLAN – AREAS 4
E1.2.5	ELECTRICAL SPECIALTY LIGHTING PLAN – AREAS 5
E1.3.1	ELECTRICAL POWER PLAN – AREA 1
E1.3.2	ELECTRICAL POWER PLAN – AREA 2
E1.3.3	ELECTRICAL POWER PLAN – AREA 3
E1.3.4	ELECTRICAL POWER PLAN – AREA 4
E1.3.5	ELECTRICAL POWER PLAN – AREA 5
E1.3.6	ELECTRICAL POWER PLAN – MEZZANINE
E1.3.7	ELECTRICAL POWER PLAN – MEZZANINE
E1.4.1	REFRIGERATION PLAN – AREA 1 & 4
E1.4.2	REFRIGERATION PLAN – AREA 1 & 4
E1.5.1	ELECTRICAL ROUGH-IN PLANS
E1.5.2	ELECTRICAL ROUGH-IN PLANS
E4.1.1	ELECTRICAL ENLARGED POWER PLANS
E4.1.2	ELECTRICAL ENLARGED POWER PLANS
E5.1	ELECTRICAL DETAILS SHEET (1 OF 9)
E5.2	ELECTRICAL DETAILS SHEET (2 OF 9)
E5.3	ELECTRICAL DETAILS SHEET (3 OF 9)
E5.4	ELECTRICAL DETAILS SHEET (4 OF 9)
E5.5	ELECTRICAL DETAILS SHEET (5 OF 9)
E5.6	ELECTRICAL DETAILS SHEET (6 OF 9)
E5.7	ELECTRICAL DETAILS SHEET (7 OF 9)
E5.8	ELECTRICAL DETAILS SHEET (8 OF 9)
E5.9	ELECTRICAL DETAILS SHEET (9 OF 9)
E6.2.1	ELECTRICAL SINGLE LINE DIAGRAM
E6.2.3	PANEL SCHEDULES
E6.2.4	PANEL SCHEDULES
E6.2.5	PANEL SCHEDULES
E6.2.6	PANEL SCHEDULES
E6.3.1	LIGHTING FIXTURE SCHEDULE
E6.3.2	LIGHTING FIXTURE SCHEDULE
E6.3.3	LIGHTING FIXTURE SCHEDULE
E6.3.4	LIGHTING FIXTURE SCHEDULE
E6.3.5	LIGHTING FIXTURE SCHEDULE
E6.3.6	LIGHTING FIXTURE SCHEDULE
E6.3.7	LIGHTING FIXTURE SCHEDULE

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SHEET TITLE:
ELECTRICAL SYMBOLS + SHEET LIST

DRAWN BY: CK

CHECKED BY: KW

SHEET
E0.0

JOB NO: 215034600.00

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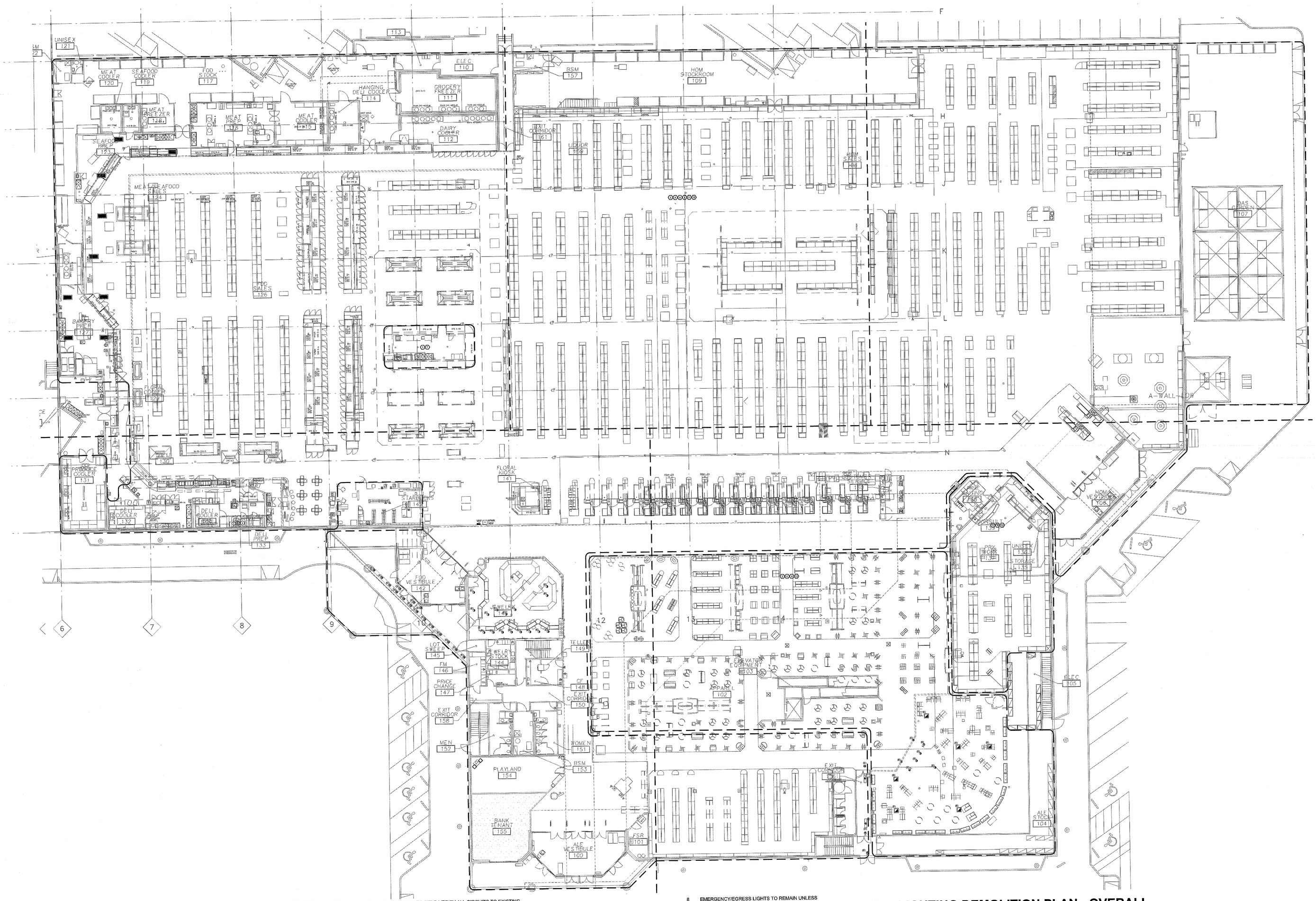

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D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPTED DURING THE COMPLETION OF THE WORK INDICATED ON THESE PLANS.

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F. SEE LIGHTING SHEET FOR NEW LIGHTING REQUIREMENTS.

G. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

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N. CONTRACTOR OPTION TO REUSE EXISTING RACEWAY/CONDUCTORS AS POSSIBLE OR PROVIDE NEW.

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P. EXISTING LIGHT FIXTURES ARE TO REMAIN IN PLACE FOR TEMPORARY LIGHTING USE. THE CONTRACTOR IS TO PROVIDE ANY TEMPORARY LIGHTING NEEDED TO PROPERLY LIGHT AREAS TO 40 TO 60 FOOTCANDLES. FIXTURES TO BE HUNG LEVEL AND SECURE IN FURNISHED AREAS. COORDINATE WITH KROGER PROJECT MANAGER FOR PHASING PLAN.

Q. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN. ALL FIXTURES AT THE END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR PROVIDING NEW LAMPS AND REPLACEMENT PARTS AS NECESSARY TO ENSURE ALL LIGHTS FUNCTION PROPERLY.

R. ALL 'T12' LAMPS TO BE REPLACED BY 'T8' LAMPS.

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3 EXISTING FIXTURES TO BE REMOVED, RELOCATE POWER SOURCE JUNCTION BOX TO MATCH SHEET SERIES E1.1.

4 REVISE LAYOUT OF EXISTING LIGHT FIXTURES TO MATCH SHEET SERIES E1.1.

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11 REMOVE EXISTING DECOR LIGHTS.

12 EXISTING SPECIALTY LIGHTING & RELOCATED EQUIPMENT TO REMAIN.

13 PROVIDE NEW SPECIALTY LIGHTING FIXTURES AS SHOWN ON SHEET SERIES E1.2.

1 LIGHTING DEMOLITION PLAN - OVERALL

0 8' 16' 32'

SCALE: 1/16"=1'-0"

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS WITHHELD SURVEY BY: HUMAN ENGINEERING | DATE: ---
FILE: 172_ED1.1 LIGHTING DEMOLITION PLAN – OVERALL | EDIT: 11/18/2015 9:20 AM BY LORENAR | PLOT: 12/15/2015 2:53 PM BY LORENA RUIZ

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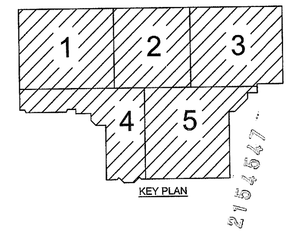

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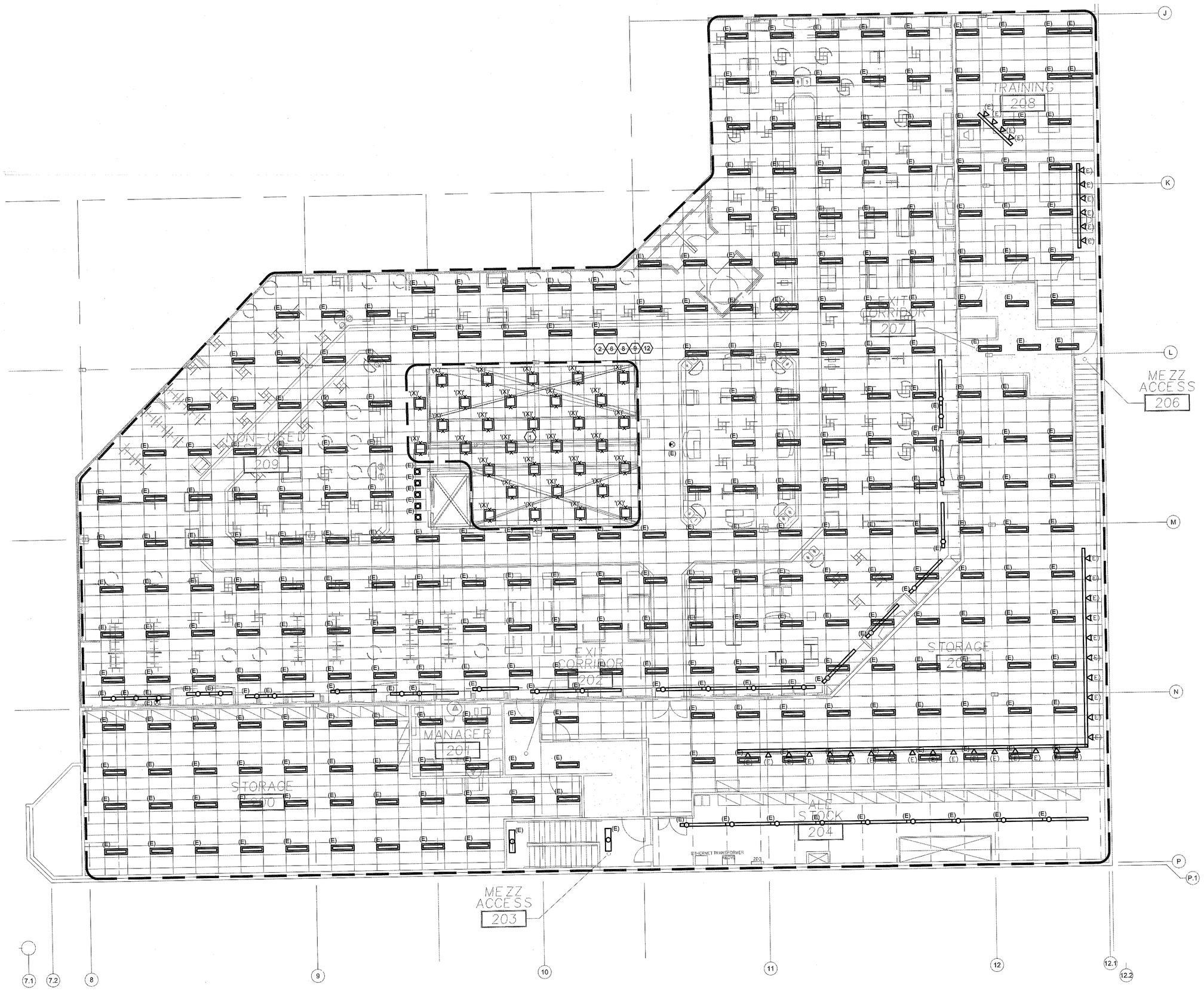

1 LIGHTING DEMOLITION PLAN - MEZZANINE

0 4' 8' 16'

SCALE: 1/8"=1'-0"

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

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SHEET TITLE:
LIGHTING DEMOLITION PLAN - MEZZANINE

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DRAWN BY: CK

CHECKED BY: KW

SHEET

ED1.1.2

JOB NO. 215034600.00

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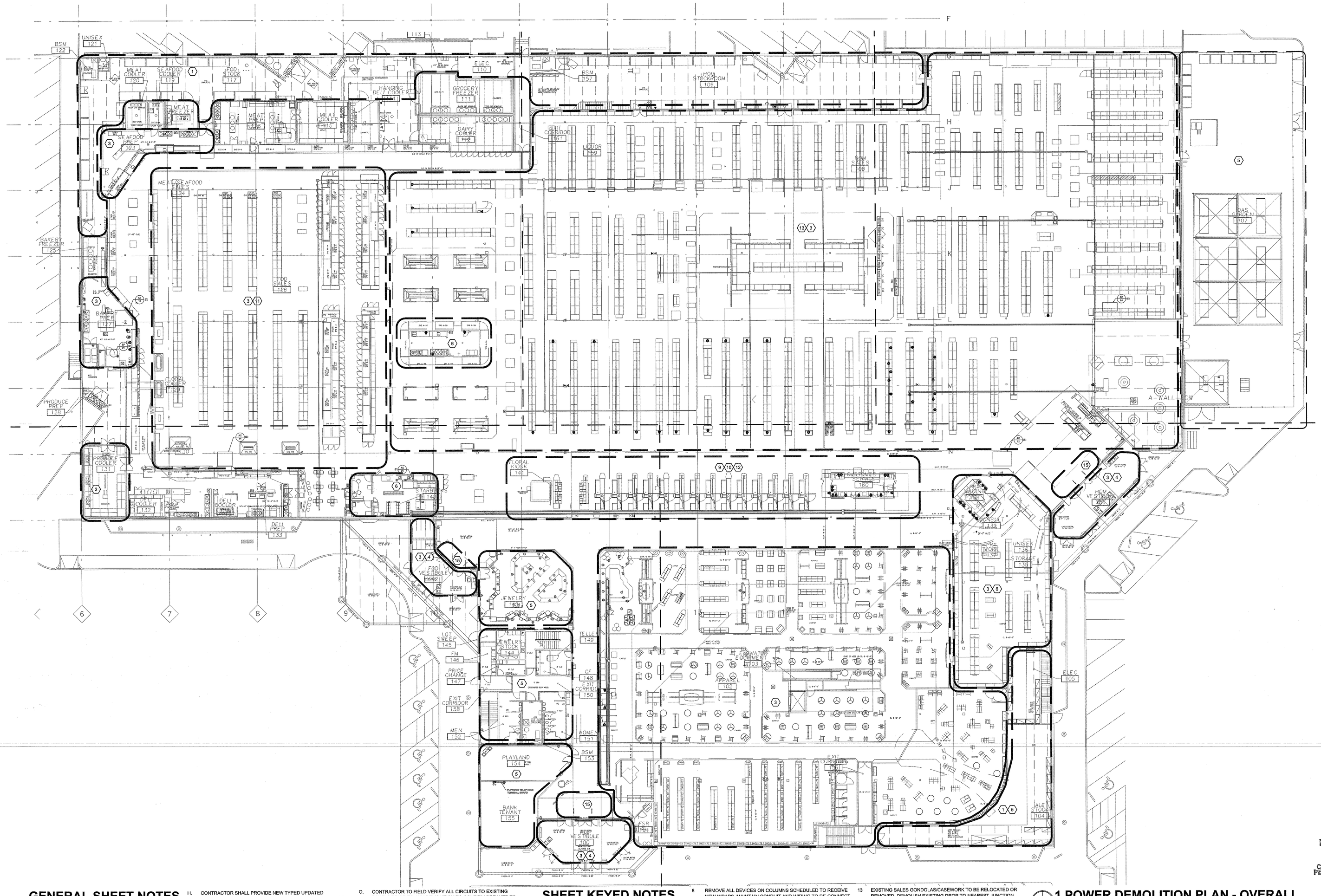

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SHEET KEYED NOTES

1 EXISTING ELECTRICAL EQUIPMENT AND DEVICES TO REMAIN.

2 EXISTING WALK-IN COOLER/FREEZER OR REFRIGERATION EQUIPMENT TO REMAIN.

3 SEE E1.3 SERIES SHEET FOR MODIFICATIONS TO EXISTING OR NEW DEVICES IN THIS SPACE. MAKE PROVISIONS TO PROVIDE NEW CIRCUITS OR RE-USE CIRCUITS AS REQUIRED.

4 DISCONNECT AND REMOVE EXISTING AUTO-DOOR. DOOR TO BE REPLACED WITH NEW DOOR. CIRCUIT AS SHOWN OR RE-USE CIRCUIT. VERIFY WITH ARCHITECTURAL AND DOOR SCHEDULE.

5 NO WORK IN THIS AREA. ALL EXISTING ELECTRICAL EQUIPMENT AND DEVICES TO REMAIN.

6 EXISTING ELECTRICAL DEVICES TO BE REPLACED. DEMOLISH EXISTING DEVICES AND FEEDERS BACK TO SOURCE OR FIRST ACCESSIBLE JUNCTION BOX. MAKE PROVISIONS TO EXTEND CIRCUITS TO NEW LOCATIONS.

7 DEVICES AND ASSOCIATED WIRING TO REMAIN ON ALL WALLS THAT ARE EXISTING TO REMAIN.

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11 REFRIGERATION EQUIPMENT BEING REPLACED, RELOCATED OR REMOVED. DISCONNECT AND REMOVE EXISTING WIRING TO BELOW ACCESSIBLE JUNCTION BOX. MAKE PROVISIONS TO REUSE CIRCUIT. SEE NEW REFRIGERATION SHEETS FOR CIRCUITING INFORMATION.

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15 SENSORMATIC TO BE REPLACED. CIRCUIT AS SHOWN OR RE-USE CIRCUIT. COORDINATE WITH KROGER PROJECT MANAGER AND FRED MEYER LOSS PREVENTION.

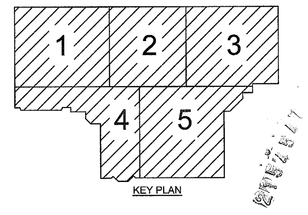
16 SEE E4.1 SERIES SHEET FOR MODIFICATIONS TO EXISTING OR NEW DEVICES IN THIS SPACE. MAKE PROVISIONS TO PROVIDE NEW CIRCUITS OR RE-USE CIRCUITS AS REQUIRED.

17 REMOVE EXISTING KIOSK ELECTRICAL DEVICES. MAKE PROVISIONS TO REUSE CIRCUITS AND / OR PATHWAYS. PROVIDE NEW DEVICES AS SHOWN ON KIOSK VENDOR DRAWINGS.

1 POWER DEMOLITION PLAN - OVERALL

0 8" 16" 32"

SCALE: 1/16"=1'-0"



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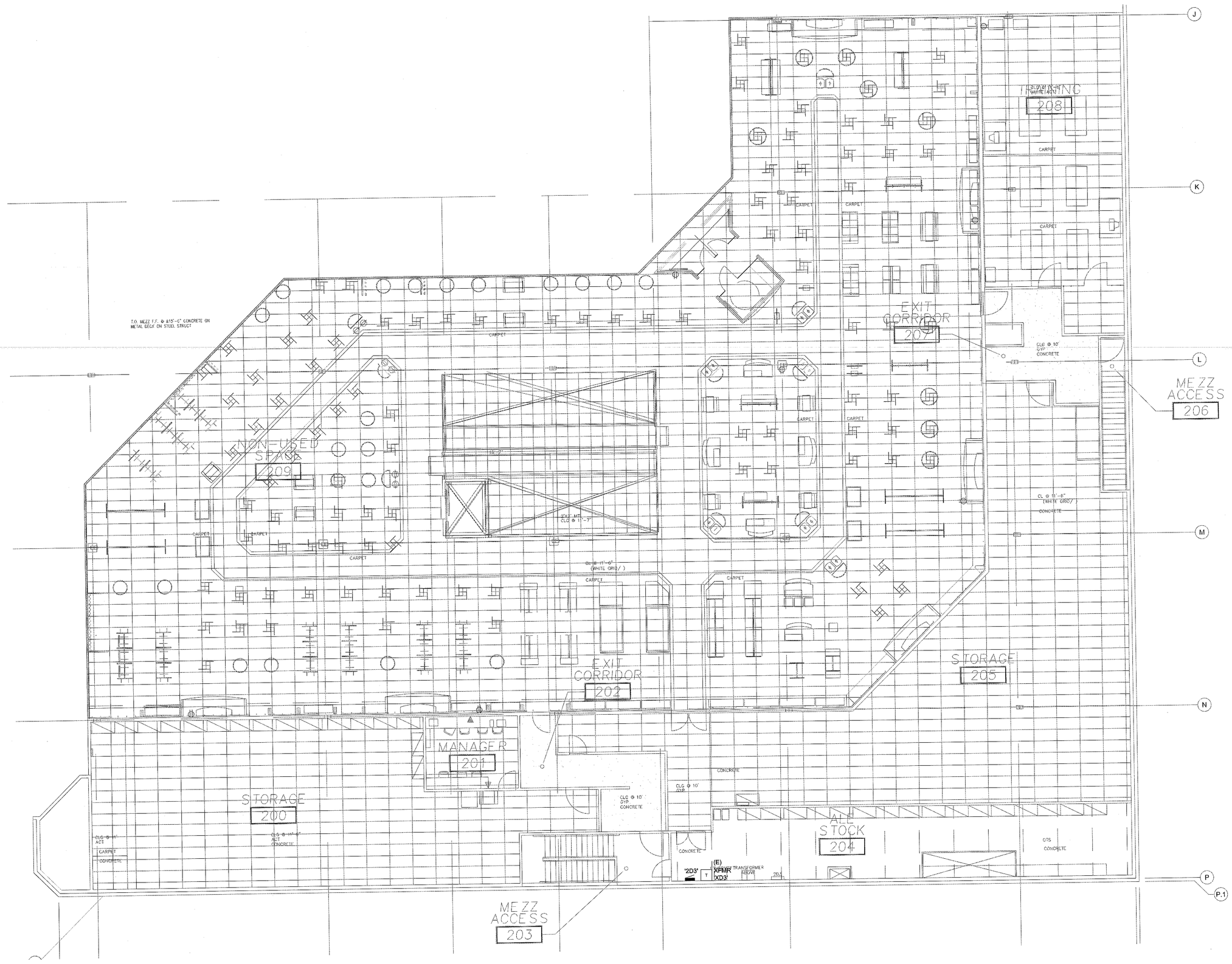

1 POWER DEMOLITION PLAN - MEZZANINE

0 8' 16' 32'

SCALE: 1/16"=1'-0"

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION . CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE THE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPTED DURING THE COMPLETION OF THE WORK INDICATED ON THESE PLANS.

E. NO SCREWS TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

F. SEE LIGHTING SHEET FOR NEW LIGHTING REQUIREMENTS.

G. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

H. CONTRACTOR SHALL PROVIDE NEW TYPED UPDATED DIRECTORIES FOR PANELS IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED SPARE.

I. COORDINATE FINAL DISPOSAL OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

J. CONTRACTOR SHALL COORDINATE ALL WORK WITH KROGER PROJECT MANAGER, FRED MEYER, THE FRED MEYER'S PHASING PLAN AND ALL OTHER TRADES.

K. CONTRACTOR TO REMOVE ALL ABANDONED STUB UPS TO BELOW FLOOR, CAP AND PATCH TO MATCH EXISTING ADJACENT FLOOR.

L. CONTRACTOR TO REMOVE ALL ABANDONED CONDUIT BACK TO SOURCE.

M. CONTRACTOR TO REMOVE ALL CORNICE LIGHTS ON GONDOLAS BEING DEMOLISHED. SEE ARCHITECTURAL SHEETS. FIELD VERIFY EXACT LOCATION AND COUNT.

N. CONTRACTOR OPTION TO REUSE EXISTING RACEWAY/CONDUCTORS AS POSSIBLE OR PROVIDE NEW.

O. CONTRACTOR TO FIELD VERIFY ALL CIRCUITS TO EXISTING PANELS PRIOR TO ANY DEMOLITION TO CONFIRM BREAKER TO LIGHTS DEMOLISHED OR REUSED RELATIONSHIP.

P. EXISTING LIGHT FIXTURES ARE TO REMAIN IN PLACE FOR TEMPORARY LIGHTING USE. THE CONTRACTOR IS TO PROVIDE ANY TEMPORARY LIGHTING NEEDED TO PROPERLY LIGHT AREAS TO 40 TO 60 FOOTCANDLES. FIXTURES TO BE HUNG LEVEL AND SECURE IN FURNISHED AREAS. COORDINATE WITH KROGER PROJECT MANAGER FOR PHASING PLAN.

Q. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN. ALL FIXTURES AT THE END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR PROVIDING NEW LAMPS AND REPLACEMENT PARTS AS NECESSARY TO ENSURE ALL LIGHTS FUNCTION PROPERLY.

R. ALL 'T12' LAMPS TO BE REPLACED BY 'T8' LAMPS.

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4 DISCONNECT AND REMOVE EXISTING AUTO DOOR. DOOR TO BE REPLACED WITH NEW DOOR. CIRCUIT AS SHOWN OR RE-USE CIRCUIT. VERIFY WITH ARCHITECTURAL AND DOOR SCHEDULE.

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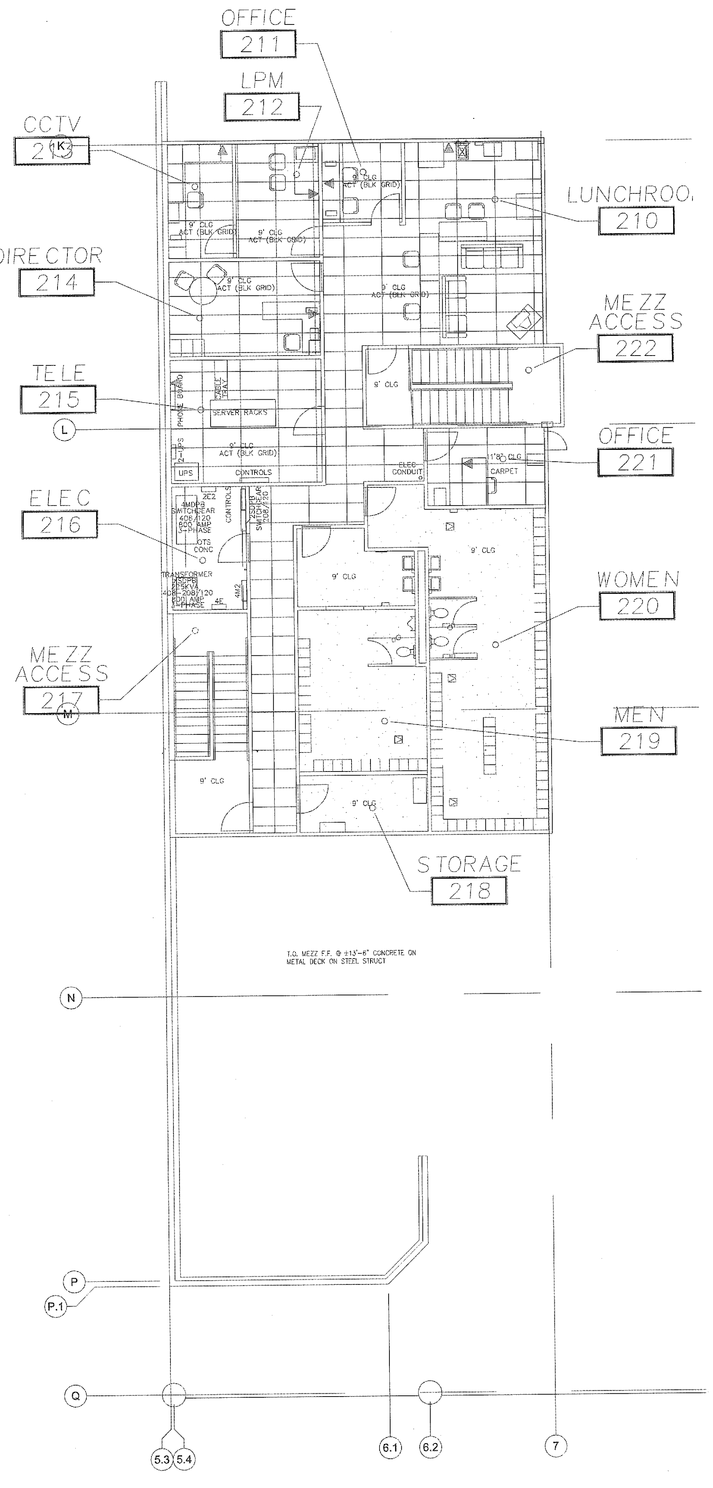

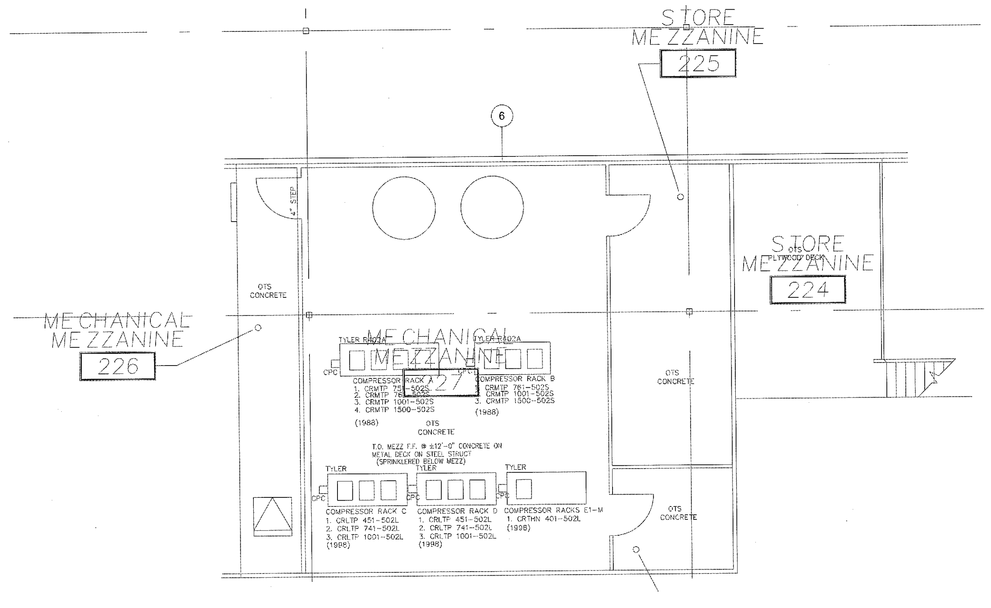

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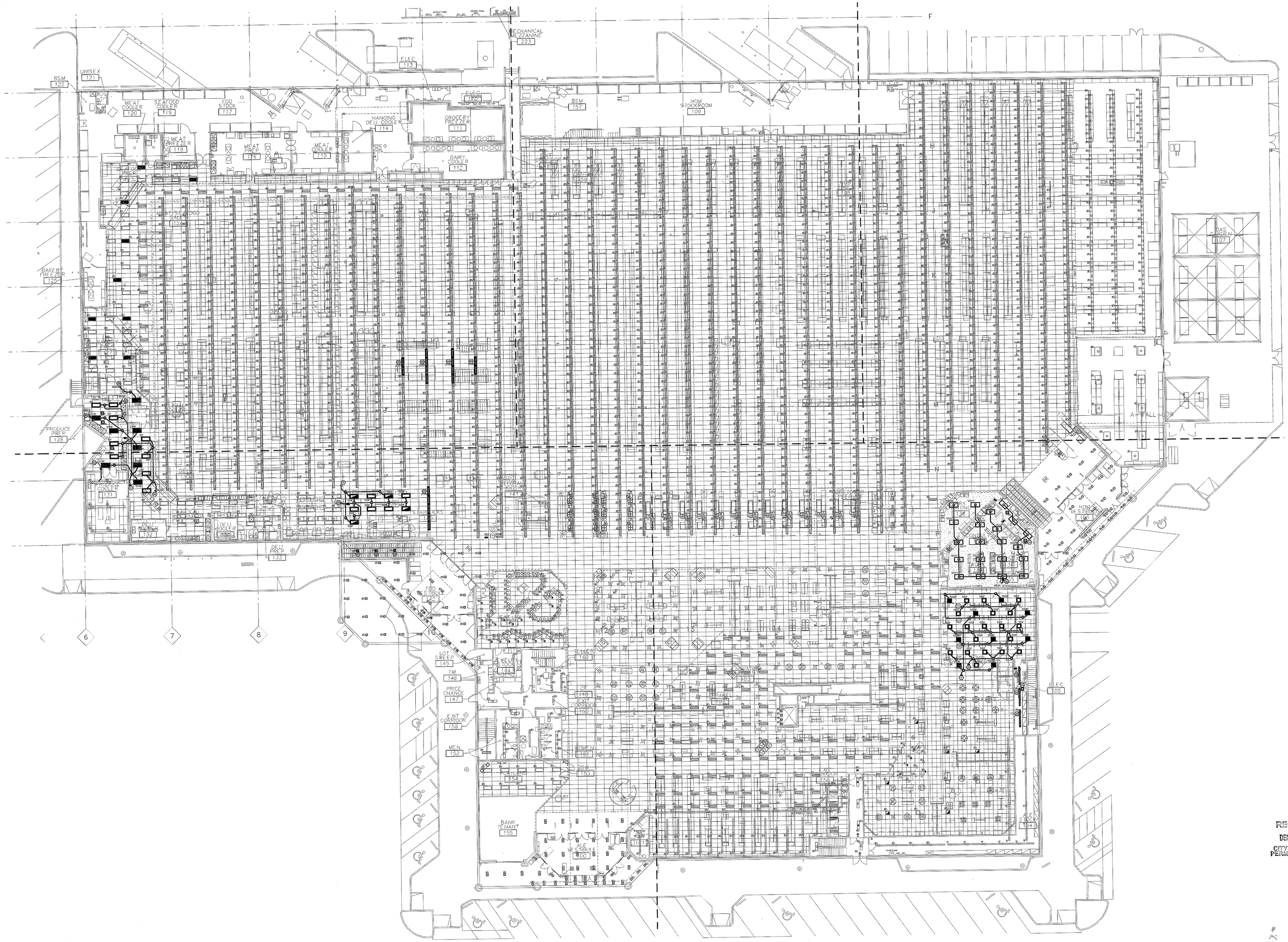

1 ELECTRICAL LIGHTING PLAN - OVERALL

0 8' 16' 32'

SCALE: 1/16"=1'-0"

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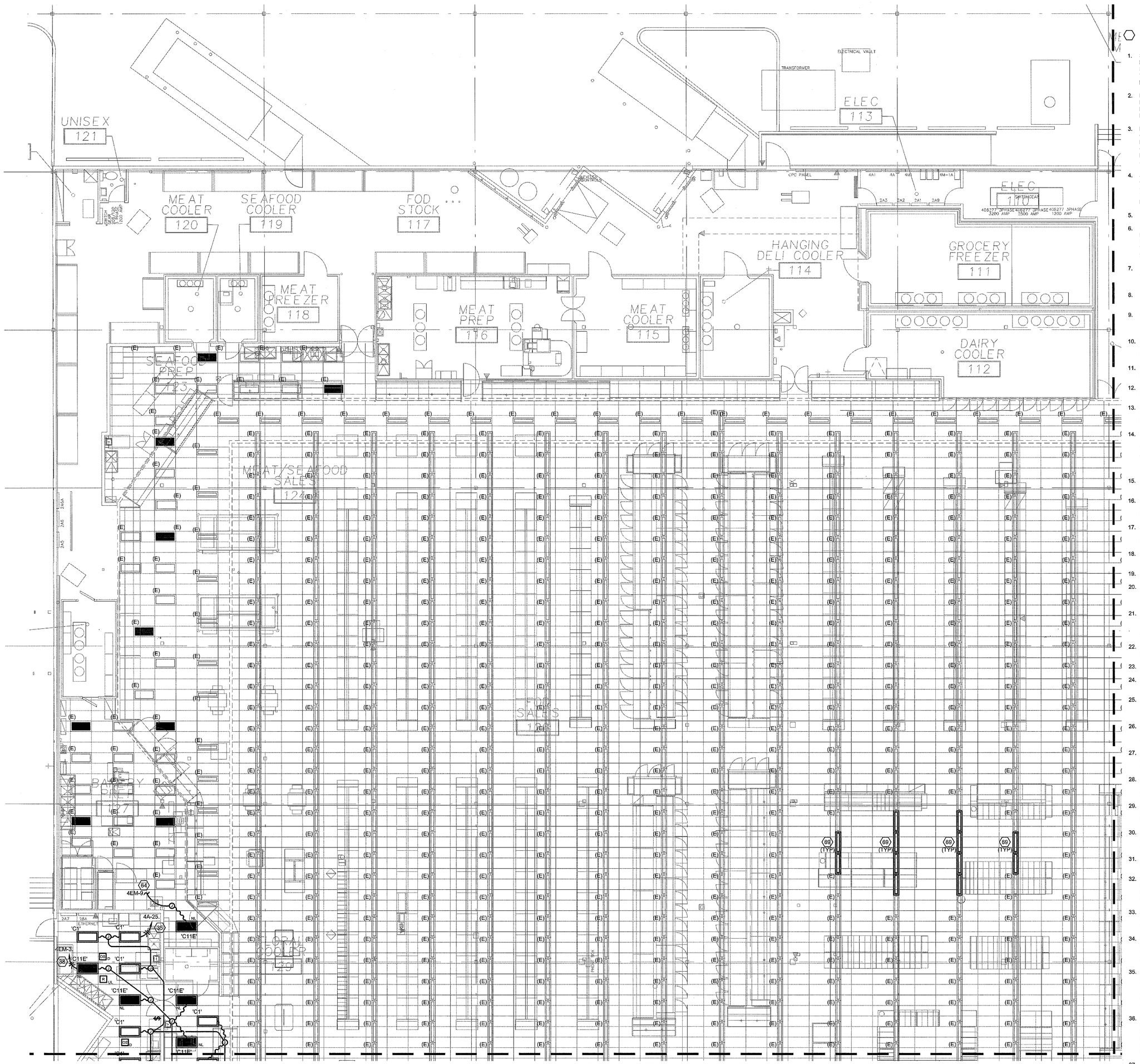

1 ELECTRICAL LIGHTING PLAN - AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. RELOCATE EXISTING LUMINAIRES IN SPACE TO LOCATIONS SHOWN. EXTEND EXISTING CIRCUIT AND RECONNECT.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT, HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. EXTEND EXISTING CIRCUITS IN AREA TO NEW LUMINAIRES. CONNECT AT NEAREST POINT OF INTERSECTION.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBEL(WS277X) OR SIMILAR, FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD, MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ONTIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE. (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N6" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. RELOCATE EXISTING DOWN LIGHTS AS SHOWN. CONNECT TO EXISTING CIRCUIT AND CONTROLS WITH EXISTING LIGHTS IN FOD VESTIBULE.
69. ADD RECESSED 1X4 FIXTURE TO MATCH EXISTING. NEW FIXTURES TO BE CIRCUITED AND CONTROLLED WITH ADJACENT EXISTING LIGHTING. CONTRACTOR TO VERIFY CIRCUIT CAPACITY.

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDICTIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO SCOPE OF WORK SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. SEE LIGHTING SHEETS FOR NEW LIGHTING REQUIREMENTS.

F. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

G. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

H. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

I. CONTRACTOR SHALL COORDINATE ALL WORK WITH KROGER PROJECT MANAGER, FRED MEYER, THE FRED MEYER PHASING PLAN, AND ALL OTHER TRADES.

J. ALL UNISTRUT USED TO SUPPORT SUSPENDED LIGHT FIXTURES AND EXPOSED CONDUITS IS TO BE PAINTED TO BLEND WITH SURROUNDING WALLS OR CEILINGS.

K. ADJUST CEILING TILE TO MINIMIZE CUTTING OF GRID FOR RECESSED LIGHTING.

L. CONTRACTOR TO RECIRCUIT EXTERIOR FRED MEYER SIGNAGE TO THE BUILDING ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH EMS CONTRACTOR.

M. CONNECT JUNCTION BOX AND FIXTURE TO CIRCUIT AS INDICATED. PROVIDE CONDUITS, JUNCTION BOXES, CONNECTORS, AND CONDUCTORS AS REQUIRED.

N. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM "MAIN AISLE". COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF "MAIN AISLE".

O. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

P. LIGHTING CIRCUITS WITH MORE THAN THREE (3) CIRCUIT CARRYING CONDUCTORS SHALL BE UNSIZED TO #10 AWG THWN CONDUCTORS.

Q. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

R. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR BELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

S. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL WORK REQUIREMENTS.

T. COORDINATE WITH AHJ FOR EMERGENCY EXIT ILLUMINATION INSPECTION, PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

U. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN, INCLUDING FRED MEYER EXTERIOR SIGNAGE. ALL FIXTURES AT END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR REPLACING ANY NON-FUNCTIONING LIGHTS AS REQUIRED IN BASE BID. NO ADDITIONAL COST WILL BE APPROVED.

V. ALL 'B2' LIGHTS WITHIN A 20-FOOT RADIUS OF SKYLIGHTS TO BE CONTROLLED BY SKY FUNCTION (20% SKY OR 50% SKY). IF SKYLIGHT IS NOT INSTALLED, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE LIGHTS OUTSIDE OF 20-FOOT RADIUM ARE RE-CIRCUITED TO NON-SKYLIGHT FUNCTION. COORDINATE WITH ENERGY MANAGEMENT CONTRACTOR.

W. THE QUEVISION SENSING DEVICE LOCATIONS SHALL HAVE PRIORITY OVER THE INTERIOR LIGHTING PATTERN. WHERE INTERFERENCE OCCURS, ELECTRICAL CONTRACTOR SHALL ADJUST THE LIGHTING PATTERN AS NEEDED TO ACCOMMODATE THE REQUIREMENTS OF THE QUEVISION SENSING DEVICES. CONTRACTOR TO COORDINATE ALL ADJUSTMENTS WITH THE QUEVISION INSTALLATION REPRESENTATIVE AND KROGER PROJECT MANAGER.

X. EGRESS LIGHTS AND EXIT SIGNS ON NIGHT LIGHT (LIFE SAFETY) CIRCUIT. CONNECT ALL EXIT SIGNS WITH UNSWITCHED CIRCUIT TO PANEL 'L4M-1'.

Y. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED NIGHT LIGHTING (LIFE SAFETY).

Z. ALL LIGHTING CONDUIT WITH MORE THAN EIGHT (8) CONDUCTORS SHALL BE 1-INCH CONDUIT UNLESS MARKED OTHERWISE. TOTAL OF EIGHT (8) INCLUDES GROUND CONDUCTORS.

AA. ALL EXISTING CEILING GRID SHALL BE BROUGHT TO COMPLIANCE WITH OREGON STRUCTURAL SPECIALTY CODE 1613.1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. REFERENCE: STATEWIDE CODE INTERPRETATION DATED APRIL 20, 2007, "CONSTRUCTION REQUIREMENTS FOR SUSPENDED CEILING SYSTEMS".

BB. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

CC. CLEAN AND RELAMP ALL EXISTING LIGHTING FIXTURES TO REMAIN.

PERMIT SET: DECEMBER 21, 2015

FILE: 172_E1.1 – ELECTRICAL LIGHTING PLAN.DWG – E1.1.1 ELECTRICAL LIGHTING PLAN – AREA 1 | EDIT: 11/18/2015 10:17 AM BY LORENAR | PLOT: 12/15/2015 2:46 PM BY LORENA RUIZ

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL LIGHTING PLAN AREA 1

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SHEET
E1.1.1

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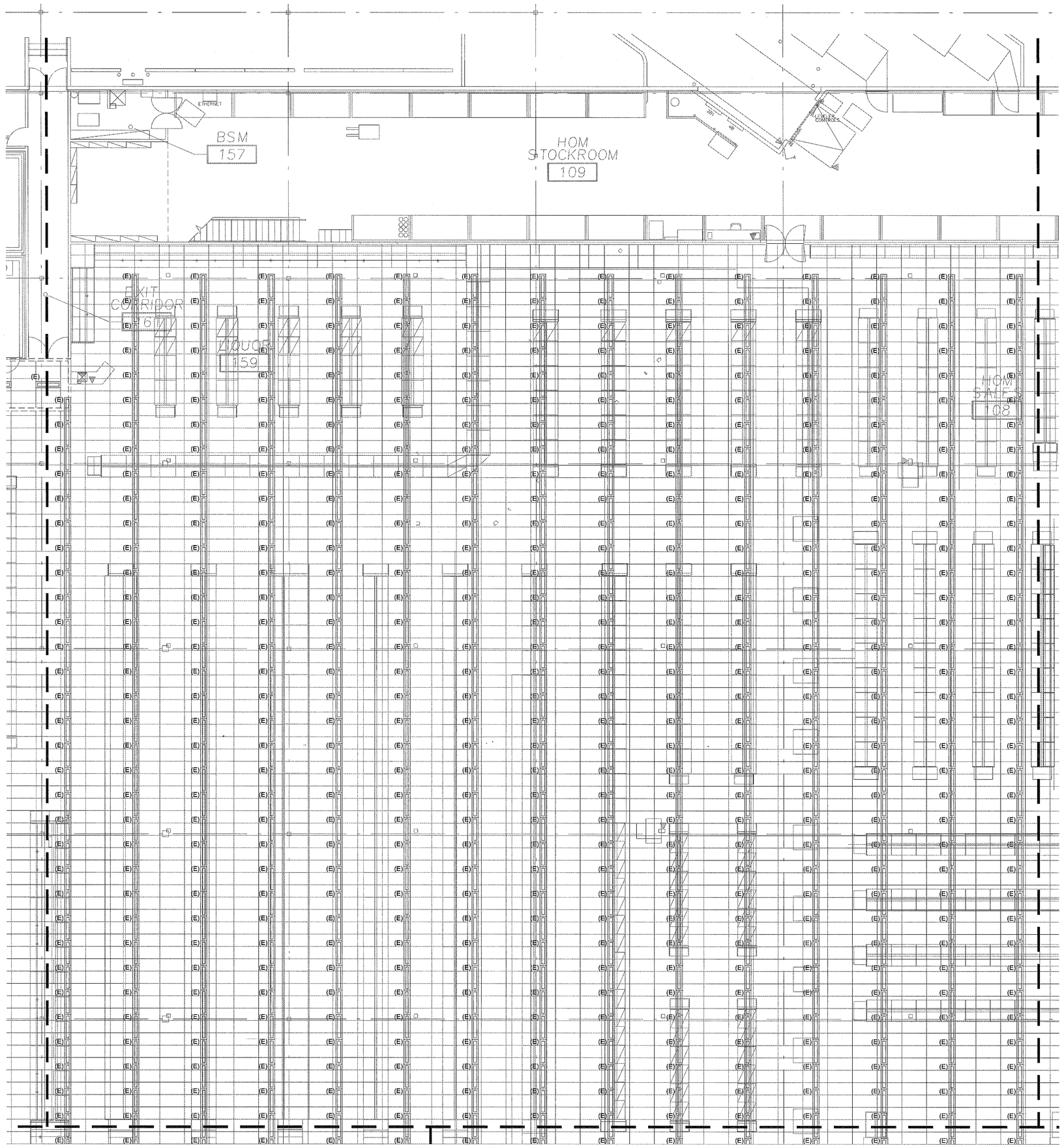

1 ELECTRICAL LIGHTING PLAN - AREA 2

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
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14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
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64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. RELOCATE EXISTING DOWN LIGHTS AS SHOWN. CONNECT TO EXISTING CIRCUIT AND CONTROLS WITH EXISTING LIGHTS IN FOD VESTIBULE.
69. ADD RECESSED 1X4 FIXTURE TO MATCH EXISTING. NEW FIXTURES TO BE CIRCUITED AND CONTROLLED WITH ADJACENT EXISTING LIGHTING. CONTRACTOR TO VERIFY CIRCUIT CAPACITY.

GENERAL SHEET NOTES

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C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. SEE LIGHTING SHEETS FOR NEW LIGHTING REQUIREMENTS.

F. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

G. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

H. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

I. CONTRACTOR SHALL COORDINATE ALL WORK WITH KROGER PROJECT MANAGER, FRED MEYER, THE FRED MEYER PHASING PLAN, AND ALL OTHER TRADES.

J. ALL UNISTRUT USED TO SUPPORT SUSPENDED LIGHT FIXTURES AND EXPOSED CONDUITS IS TO BE PAINTED TO BLEND WITH SURROUNDING WALLS OR CEILINGS.

K. ADJUST CEILING TILE TO MINIMIZE CUTTING OF GRID FOR RECESSED LIGHTING.

L. CONTRACTOR TO RECIRCUIT EXTERIOR FRED MEYER SIGNAGE TO THE BUILDING ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH EMS CONTRACTOR.

M. CONNECT JUNCTION BOX AND FIXTURE TO CIRCUIT AS INDICATED. PROVIDE CONDUITS, JUNCTION BOXES, CONNECTORS, AND CONDUCTORS AS REQUIRED.

N. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM "MAIN AISLE", COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF "MAIN AISLE".

O. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

P. LIGHTING CIRCUITS WITH MORE THAN THREE (3) CIRCUIT CARRYING CONDUCTORS SHALL BE UNSIZED TO #10 AWG THWN CONDUCTORS.

Q. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

R. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR BELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

S. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL WORK REQUIREMENTS.

T. COORDINATE WITH AHJ FOR EMERGENCY EXIT ILLUMINATION INSPECTION, PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

U. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN, INCLUDING FRED MEYER EXTERIOR SIGNAGE. ALL FIXTURES AT END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR REPLACING ANY NON-FUNCTIONING LIGHTS AS REQUIRED IN BASE BID. NO ADDITIONAL COST WILL BE APPROVED.

V. ALL 'B2' LIGHTS WITHIN A 20-FOOT RADIUS OF SKYLIGHTS TO BE CONTROLLED BY SKY FUNCTION (20% SKY OR 50% SKY). IF SKYLIGHT IS NOT INSTALLED, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE LIGHTS OUTSIDE OF 20-FOOT RADIUM ARE RE-CIRCUITED TO NON-SKYLIGHT FUNCTION. COORDINATE WITH ENERGY MANAGEMENT CONTRACTOR.

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X. EGRESS LIGHTS AND EXIT SIGNS ON NIGHT LIGHT (LIFE SAFETY) CIRCUIT. CONNECT ALL EXIT SIGNS WITH UNSWITCHED CIRCUIT TO PANEL 'L4M-1'.

Y. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED NIGHT LIGHTING (LIFE SAFETY).

Z. ALL LIGHTING CONDUIT WITH MORE THAN EIGHT (8) CONDUCTORS SHALL BE 1-INCH CONDUIT UNLESS MARKED OTHERWISE. TOTAL OF EIGHT (8) INCLUDES GROUND CONDUCTORS.

AA. ALL EXISTING CEILING GRID SHALL BE BROUGHT TO COMPLIANCE WITH OREGON STRUCTURAL SPECIALTY CODE 1613.1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. REFERENCE: STATEWIDE CODE INTERPRETATION DATED APRIL 20, 2007, "CONSTRUCTION REQUIREMENTS FOR SUSPENDED CEILING SYSTEMS".

BB. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

CC. CLEAN AND RELAMP ALL EXISTING LIGHTING FIXTURES TO REMAIN.

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12/15/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL LIGHTING PLAN AREA 2

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DEC 22 2015
CITY OF KENT
PERMIT CENTER

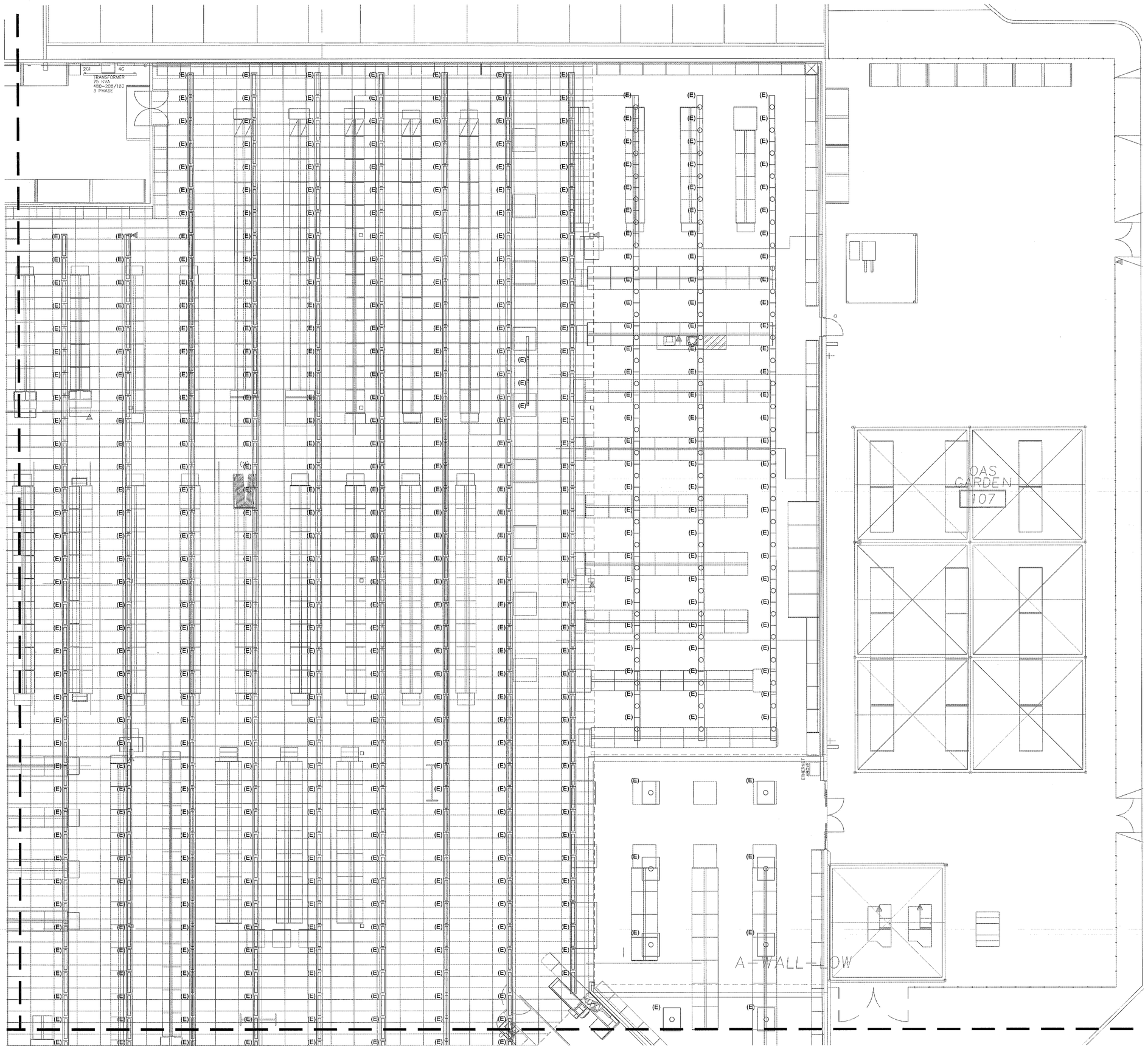
DRAWN BY: CK

CHECKED BY: KW

SHEET
E1.1.2

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015



1 ELECTRICAL LIGHTING PLAN - AREA 3

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. RELOCATE EXISTING LUMINAIRES IN SPACE TO LOCATIONS SHOWN. EXTEND EXISTING CIRCUIT AND RECONNECT.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. EXTEND EXISTING CIRCUITS IN AREA TO NEW LUMINAIRES. CONNECT AT NEAREST POINT OF INTERSECTION.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER WB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBEL(WS277X) OR SIMILAR, FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F., AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N6" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
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SHEET TITLE:
ELECTRICAL LIGHTING PLAN AREA 3

RECEIVED
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CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

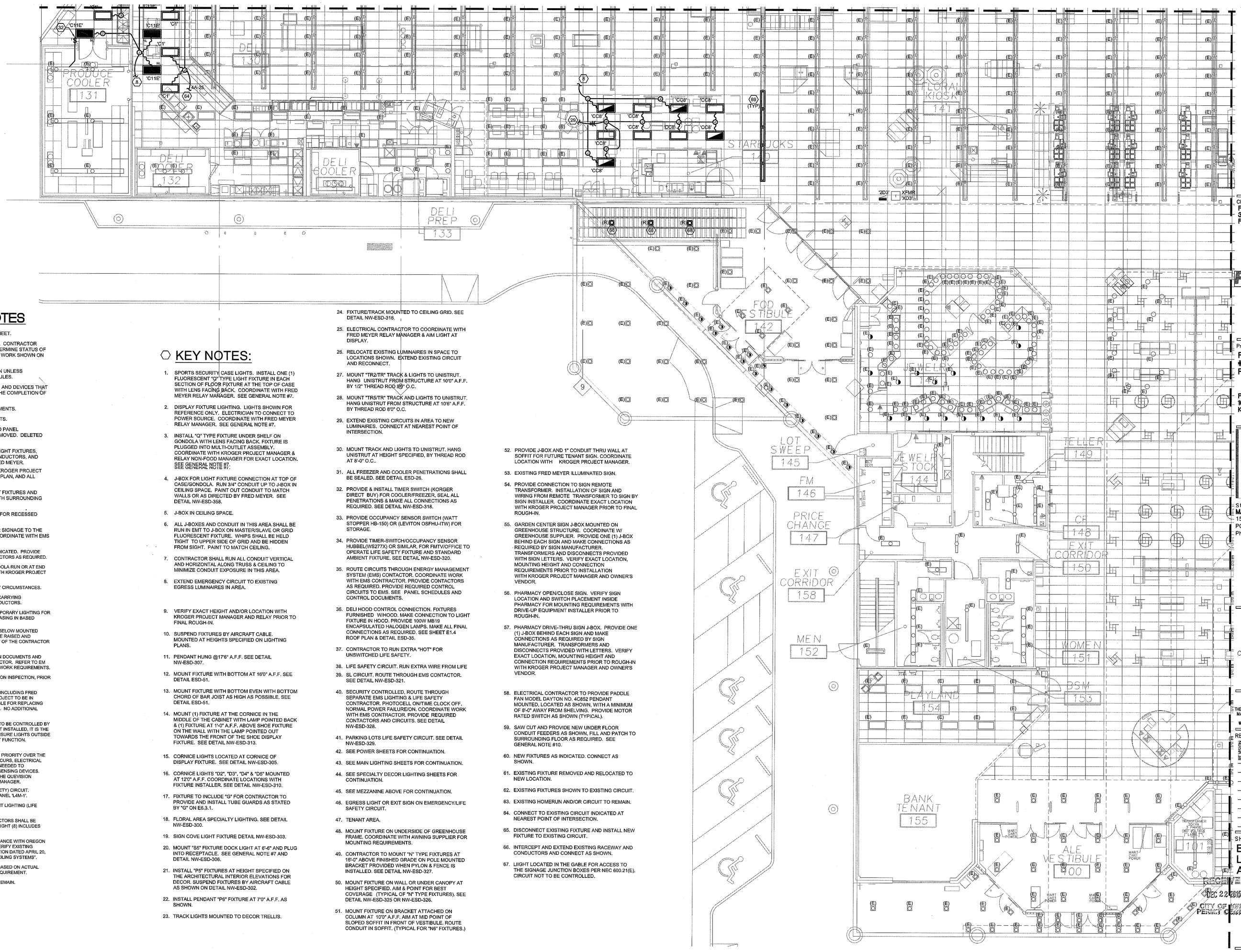
CHECKED BY: KW

SHEET
E1.1.3

JOB NO: 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_E1.1 – ELECTRICAL LIGHTING PLAN.DWG – E1.1.3 ELECTRICAL LIGHTING PLAN – AREA 3 | EDIT: 11/18/2015 10:11 AM BY LORENAR | PLOT: 12/15/2015 2:47 PM BY LORENA RUIZ



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B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDICTIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO SCOPE OF WORK SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. SEE LIGHTING SHEETS FOR NEW LIGHTING REQUIREMENTS.

F. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

G. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

H. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

I. CONTRACTOR SHALL COORDINATE ALL WORK WITH KROGER PROJECT MANAGER, FRED MEYER, THE FRED MEYER PHASING PLAN, AND ALL OTHER TRADES.

J. ALL UNISTRUT USED TO SUPPORT SUSPENDED LIGHT FIXTURES AND EXPOSED CONDUITS IS TO BE PAINTED TO BLEND WITH SURROUNDING WALLS OR CEILINGS.

K. ADJUST CEILING TILE TO MINIMIZE CUTTING OF GRID FOR RECESSED LIGHTING.

L. CONTRACTOR TO RECIRCUIT EXTERIOR FRED MEYER SIGNAGE TO THE BUILDING ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH EMS CONTRACTOR.

M. CONNECT JUNCTION BOX AND FIXTURE TO CIRCUIT AS INDICATED. PROVIDE CONDUITS, JUNCTION BOXES, CONNECTORS, AND CONDUCTORS AS REQUIRED.

N. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM 'MAIN AISLE'. COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF 'MAIN AISLE'.

O. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

P. LIGHTING CIRCUITS WITH MORE THAN THREE (3) CIRCUIT CARRYING CONDUCTORS SHALL BE UNSIZED TO #10 AWG THHN CONDUCTORS.

Q. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

R. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR RELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

S. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDTIONAL WORK REQUIREMENTS.

T. COORDINATE WITH AHJ FOR EMERGENCY EXIT ILLUMINATION INSPECTION, PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

U. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN, INCLUDING FRED MEYER EXTERIOR SIGNAGE. ALL FIXTURES AT END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR REPLACING ANY NON-FUNCTIONING LIGHTS AS REQUIRED IN BASE BID. NO ADDITIONAL COST WILL BE APPROVED.

V. ALL 'B2' LIGHTS WITHIN A 20-FOOT RADIUS OF SKYLIGHTS TO BE CONTROLLED BY SKY FUNCTION (20% SKY OR 50% SKY). IF SKYLIGHT IS NOT INSTALLED, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE LIGHTS OUTSIDE OF 20-FOOT RADIUM ARE RE-CIRCUITED TO NON-SKYLIGHT FUNCTION. COORDINATE WITH ENERGY MANAGEMENT CONTRACTOR.

W. THE QUEVISION SENSING DEVICE LOCATIONS SHALL HAVE PRIORITY OVER THE INTERIOR LIGHTING PATTERN. WHERE INTERFERENCE OCCURS, ELECTRICAL CONTRACTOR SHALL ADJUST THE LIGHTING PATTERN AS NEEDED TO ACCOMMODATE THE REQUIREMENTS OF THE QUEVISION SENSING DEVICES. CONTRACTOR TO COORDINATE ALL ADJUSTMENTS WITH THE QUEVISION INSTALLATION REPRESENTATIVE AND KROGER PROJECT MANAGER.

X. EGRESS LIGHTS AND EXIT SIGNS ON NIGHT LIGHT (LIFE SAFETY) CIRCUIT. CONNECT ALL EXIT SIGNS WITH UNSWITCHED CIRCUIT TO PANEL 'L4M-1'.

Y. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED NIGHT LIGHTING (LIFE SAFETY).

Z. ALL LIGHTING CONDUIT WITH MORE THAN EIGHT (8) CONDUCTORS SHALL BE 1-INCH CONDUIT UNLESS MARKED OTHERWISE. TOTAL OF EIGHT (8) INCLUDES GROUND CONDUCTORS.

AA. ALL EXISTING CEILING GRID SHALL BE BROUGHT TO COMPLIANCE WITH OREGON STRUCTURAL SPECIALTY CODE 1613.1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. REFERENCE: STATEWIDE CODE INTERPRETATION DATED APRIL 20, 2007, "CONSTRUCTION REQUIREMENTS FOR SUSPENDED CEILING SYSTEMS".

BB. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

CC. CLEAN AND RELAMP ALL EXISTING LIGHTING FIXTURES TO REMAIN.

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @176" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 160" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 120" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-308.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-318.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. RELOCATE EXISTING LUMINAIRES IN SPACE TO LOCATIONS SHOWN. EXTEND EXISTING CIRCUIT AND RECONNECT.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD @8' O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. EXTEND EXISTING CIRCUITS IN AREA TO NEW LUMINAIRES. CONNECT AT NEAREST POINT OF INTERSECTION.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBELL(WS277X) OR SIMILAR. FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
38. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED. ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N6" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYP/CAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.

1 ELECTRICAL LIGHTING PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL LIGHTING PLAN AREA 3

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CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

CHECKED BY: KW

SHEET

E1.1.4

JOB NO. 215034600.00

215034600

PERMIT SET: DECEMBER 21, 2015

1 ELECTRICAL LIGHTING PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @176" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 160" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 120" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. RELOCATE EXISTING LUMINAIRES IN SPACE TO LOCATIONS SHOWN. EXTEND EXISTING CIRCUIT AND RECONNECT.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD @0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD @7" O.C.
29. EXTEND EXISTING CIRCUITS IN AREA TO NEW LUMINAIRES. CONNECT AT NEAREST POINT OF INTERSECTION.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C.,
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBELL(WS277X) OR SIMILAR, FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED. ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N5" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
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58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. RELOCATE EXISTING DOWN LIGHTS AS SHOWN. CONNECT TO EXISTING CIRCUIT AND CONTROLS WITH EXISTING LIGHTS IN FOD VESTIBULE.
69. ADD RECESSED 1X4 FIXTURE TO MATCH EXISTING. NEW FIXTURES TO BE CIRCUITED AND CONTROLLED WITH ADJACENT EXISTING LIGHTING. CONTRACTOR TO VERIFY CIRCUIT CAPACITY.

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDICTIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO SCOPE OF WORK SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. SEE LIGHTING SHEETS FOR NEW LIGHTING REQUIREMENTS.

F. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

G. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

H. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

I. CONTRACTOR SHALL COORDINATE ALL WORK WITH KROGER PROJECT MANAGER, FRED MEYER, THE FRED MEYER PHASING PLAN, AND ALL OTHER TRADES.

J. ALL UNISTRUT USED TO SUPPORT SUSPENDED LIGHT FIXTURES AND EXPOSED CONDUITS IS TO BE PAINTED TO BLEND WITH SURROUNDING WALLS OR CEILINGS.

K. ADJUST CEILING TILE TO MINIMIZE CUTTING OF GRID FOR RECESSED LIGHTING.

L. CONTRACTOR TO RECIRCUIT EXTERIOR FRED MEYER SIGNAGE TO THE BUILDING ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH EMS CONTRACTOR.

M. CONNECT JUNCTION BOX AND FIXTURE TO CIRCUIT AS INDICATED. PROVIDE CONDUITS, JUNCTION BOXES, CONNECTORS, AND CONDUCTORS AS REQUIRED.

N. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM "MAIN AISLE". COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF 'MAIN AISLE'.

O. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

P. LIGHTING CIRCUITS WITH MORE THAN THREE (3) CIRCUIT CARRYING CONDUCTORS SHALL BE UNSIZED TO #10 AWG THWN CONDUCTORS.

Q. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

R. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR BELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

S. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL WORK REQUIREMENTS.

T. COORDINATE WITH AHJ FOR EMERGENCY EXIT ILLUMINATION INSPECTION, PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

U. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN, INCLUDING FRED MEYER EXTERIOR SIGNAGE. ALL FIXTURES AT END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR REPLACING ANY NON-FUNCTIONING LIGHTS AS REQUIRED IN BASE BID. NO ADDITIONAL COST WILL BE APPROVED.

V. ALL 'B2' LIGHTS WITHIN A 20-FOOT RADIUS OF SKYLIGHTS TO BE CONTROLLED BY SKY FUNCTION (20% SKY OR 50% SKY). IF SKYLIGHT IS NOT INSTALLED, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE LIGHTS OUTSIDE OF 20-FOOT RADIUM ARE RE-CIRCUITED TO NON-SKYLIGHT FUNCTION. COORDINATE WITH ENERGY MANAGEMENT CONTRACTOR.

W. THE QUEVISION SENSING DEVICE LOCATIONS SHALL HAVE PRIORITY OVER THE INTERIOR LIGHTING PATTERN. WHERE INTERFERENCE OCCURS, ELECTRICAL CONTRACTOR SHALL ADJUST THE LIGHTING PATTERN AS NEEDED TO ACCOMMODATE THE REQUIREMENTS OF THE QUEVISION SENSING DEVICES. CONTRACTOR TO COORDINATE ALL ADJUSTMENTS WITH THE QUEVISION INSTALLATION REPRESENTATIVE AND KROGER PROJECT MANAGER.

X. EGRESS LIGHTS AND EXIT SIGNS ON NIGHT LIGHT (LIFE SAFETY) CIRCUIT. CONNECT ALL EXIT SIGNS WITH UNSWITCHED CIRCUIT TO PANEL 'LAM-1'.

Y. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED NIGHT LIGHTING (LIFE SAFETY).

Z. ALL LIGHTING CONDUIT WITH MORE THAN EIGHT (8) CONDUCTORS SHALL BE 1-INCH CONDUIT UNLESS MARKED OTHERWISE. TOTAL OF EIGHT (8) INCLUDES GROUND CONDUCTORS.

AA. ALL EXISTING CEILING GRID SHALL BE BROUGHT TO COMPLIANCE WITH OREGON STRUCTURAL SPECIALTY CODE 1613.1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. REFERENCE: STATEWIDE CODE INTERPRETATION DATED APRIL 20, 2007, "CONSTRUCTION REQUIREMENTS FOR SUSPENDED CEILING SYSTEMS".

BB. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

CC. CLEAN AND RELAMP ALL EXISTING LIGHTING FIXTURES TO REMAIN.

FILE: 172_E1.1 – ELECTRICAL LIGHTING PLAN.DWG – E1.1.5 ELECTRICAL LIGHTING PLAN – AREA 5 | EDIT: 11/18/2015 10:11 AM BY LORENAR | PLOT: 12/15/2015 2:48 PM BY LORENA RUIZ

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REVISIONS:

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SHEET TITLE:
ELECTRICAL LIGHTING PLAN AREA 5

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

CHECKED BY: KW

SHEET
E1.1.5

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

1 ELECTRICAL LIGHTING PLAN - MEZZANINE

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. RELOCATE EXISTING LUMINAIRES IN SPACE TO LOCATIONS SHOWN. EXTEND EXISTING CIRCUIT AND RECONNECT.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. EXTEND EXISTING CIRCUITS IN AREA TO NEW LUMINAIRES. CONNECT AT NEAREST POINT OF INTERSECTION.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER WB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBEL(WS277X) OR SIMILAR, FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N5" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
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67. LIIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
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N. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM "MAIN AISLE". COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF "MAIN AISLE".

O. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

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X. EGRESS LIGHTS AND EXIT SIGNS ON NIGHT LIGHT (LIFE SAFETY) CIRCUIT. CONNECT ALL EXIT SIGNS WITH UNSWITCHED CIRCUIT TO PANEL 'L4M-1'.

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ELECTRICAL LIGHTING PLAN MEZZANINE

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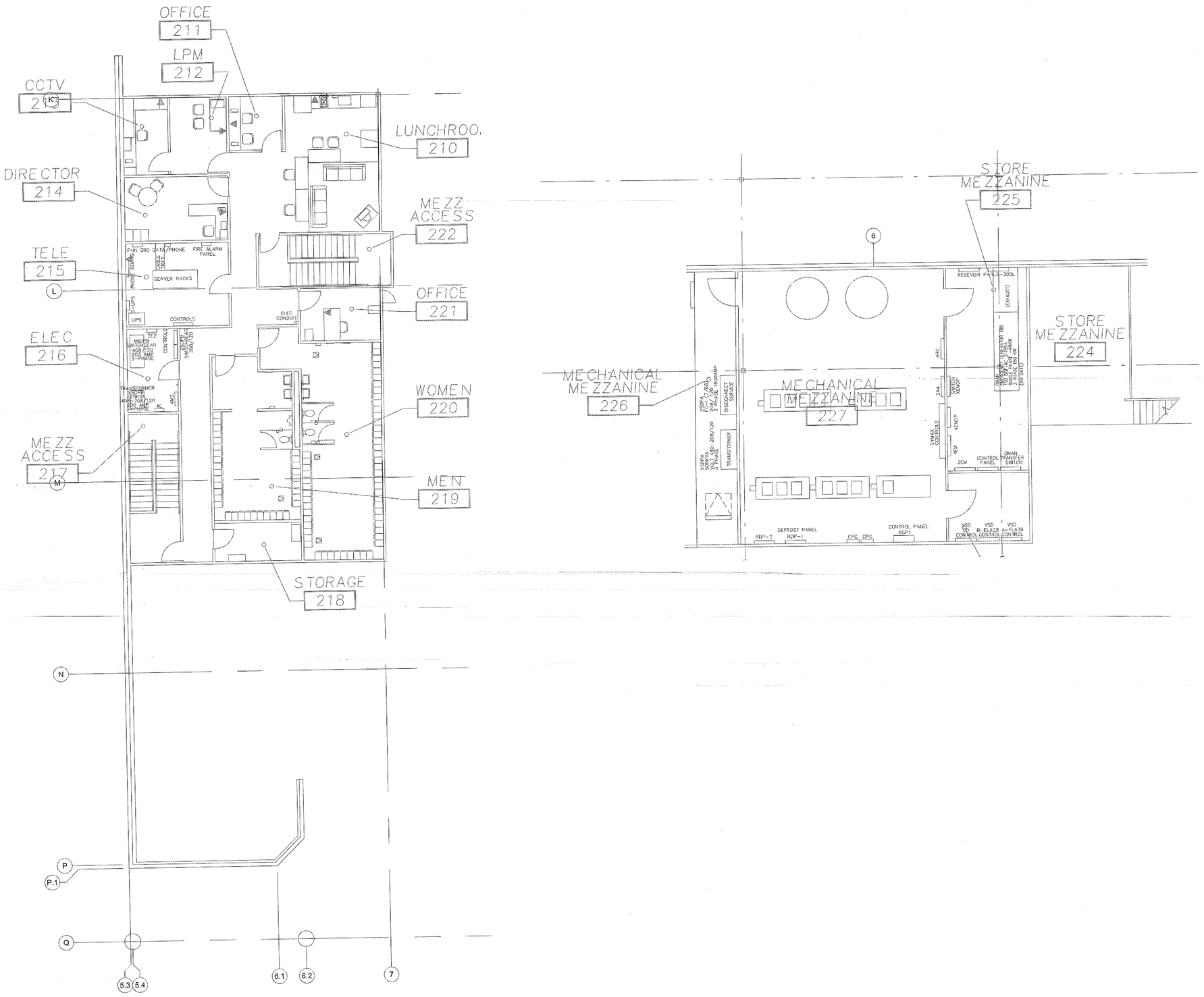

1 ELECTRICAL LIGHTING PLAN - MEZZANINE

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "G" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "G" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. EXTEND EMERGENCY CIRCUIT TO EXISTING EGRESS LUMINAIRES IN AREA.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE, MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. RELOCATE EXISTING LUMINAIRES IN SPACE TO LOCATIONS SHOWN. EXTEND EXISTING CIRCUIT AND RECONNECT.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. EXTEND EXISTING CIRCUITS IN AREA TO NEW LUMINAIRES. CONNECT AT NEAREST POINT OF INTERSECTION.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-28.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBEL(WS277X) OR SIMILAR, FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N6" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. RELOCATE EXISTING DOWN LIGHTS AS SHOWN. CONNECT TO EXISTING CIRCUIT AND CONTROLS WITH EXISTING LIGHTS IN FOD VESTIBULE.
69. ADD RECESSED 1X4 FIXTURE TO MATCH EXISTING. NEW FIXTURES TO BE CIRCUITED AND CONTROLLED WITH ADJACENT EXISTING LIGHTING. CONTRACTOR TO VERIFY CIRCUIT CAPACITY.

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDICTIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO SCOPE OF WORK SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. SEE LIGHTING SHEETS FOR NEW LIGHTING REQUIREMENTS.

F. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

G. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

H. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

I. CONTRACTOR SHALL COORDINATE ALL WORK WITH KROGER PROJECT MANAGER, FRED MEYER, THE FRED MEYER PHASING PLAN, AND ALL OTHER TRADES.

J. ALL UNISTRUT USED TO SUPPORT SUSPENDED LIGHT FIXTURES AND EXPOSED CONDUITS IS TO BE PAINTED TO BLEND WITH SURROUNDING WALLS OR CEILINGS.

K. ADJUST CEILING TILE TO MINIMIZE CUTTING OF GRID FOR RECESSED LIGHTING.

L. CONTRACTOR TO RECIRCUIT EXTERIOR FRED MEYER SIGNAGE TO THE BUILDING ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH EMS CONTRACTOR.

M. CONNECT JUNCTION BOX AND FIXTURE TO CIRCUIT AS INDICATED. PROVIDE CONDUITS, JUNCTION BOXES, CONNECTORS, AND CONDUCTORS AS REQUIRED.

N. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM 'MAIN AISLE'. COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF 'MAIN AISLE'.

O. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

P. LIGHTING CIRCUITS WITH MORE THAN THREE (3) CIRCUIT CARRYING CONDUCTORS SHALL BE UNSIZED TO #10 AWG THHN CONDUCTORS.

Q. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

R. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR BELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

S. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL WORK REQUIREMENTS.

T. COORDINATE WITH AHJ FOR EMERGENCY EXIT ILLUMINATION INSPECTION, PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

U. CLEAN AND RE-LAMP ALL FIXTURES EXISTING TO REMAIN, INCLUDING FRED MEYER EXTERIOR SIGNAGE. ALL FIXTURES AT END OF PROJECT TO BE IN PROPER WORKING CONDITION. CONTRACTOR RESPONSIBLE FOR REPLACING ANY NON-FUNCTIONING LIGHTS AS REQUIRED IN BASE BID. NO ADDITIONAL COST WILL BE APPROVED.

V. ALL 'B2' LIGHTS WITHIN A 20-FOOT RADIUS OF SKYLIGHTS TO BE CONTROLLED BY SKY FUNCTION (20% SKY OR 50% SKY). IF SKYLIGHT IS NOT INSTALLED, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE LIGHTS OUTSIDE OF 20-FOOT RADIUM ARE RE-CIRCUITED TO NON-SKYLIGHT FUNCTION. COORDINATE WITH ENERGY MANAGEMENT CONTRACTOR.

W. THE QUEVISION SENSING DEVICE LOCATIONS SHALL HAVE PRIORITY OVER THE INTERIOR LIGHTING PATTERN. WHERE INTERFERENCE OCCURS, ELECTRICAL CONTRACTOR SHALL ADJUST THE LIGHTING PATTERN AS NEEDED TO ACCOMMODATE THE REQUIREMENTS OF THE QUEVISION SENSING DEVICES. CONTRACTOR TO COORDINATE ALL ADJUSTMENTS WITH THE QUEVISION INSTALLATION REPRESENTATIVE AND KROGER PROJECT MANAGER.

X. EGRESS LIGHTS AND EXIT SIGNS ON NIGHT LIGHT (LIFE SAFETY) CIRCUIT. CONNECT ALL EXIT SIGNS WITH UNSWITCHED CIRCUIT TO PANEL 'L4M-1'.

Y. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED NIGHT LIGHTING (LIFE SAFETY).

Z. ALL LIGHTING CONDUIT WITH MORE THAN EIGHT (8) CONDUCTORS SHALL BE 1-INCH CONDUIT UNLESS MARKED OTHERWISE. TOTAL OF EIGHT (8) INCLUDES GROUND CONDUCTORS.

AA. ALL EXISTING CEILING GRID SHALL BE BROUGHT TO COMPLIANCE WITH OREGON STRUCTURAL SPECIALTY CODE 1613.1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. REFERENCE: STATEWIDE CODE INTERPRETATION DATED APRIL 20, 2007, "CONSTRUCTION REQUIREMENTS FOR SUSPENDED CEILING SYSTEMS".

BB. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

CC. CLEAN AND RELAMP ALL EXISTING LIGHTING FIXTURES TO REMAIN.

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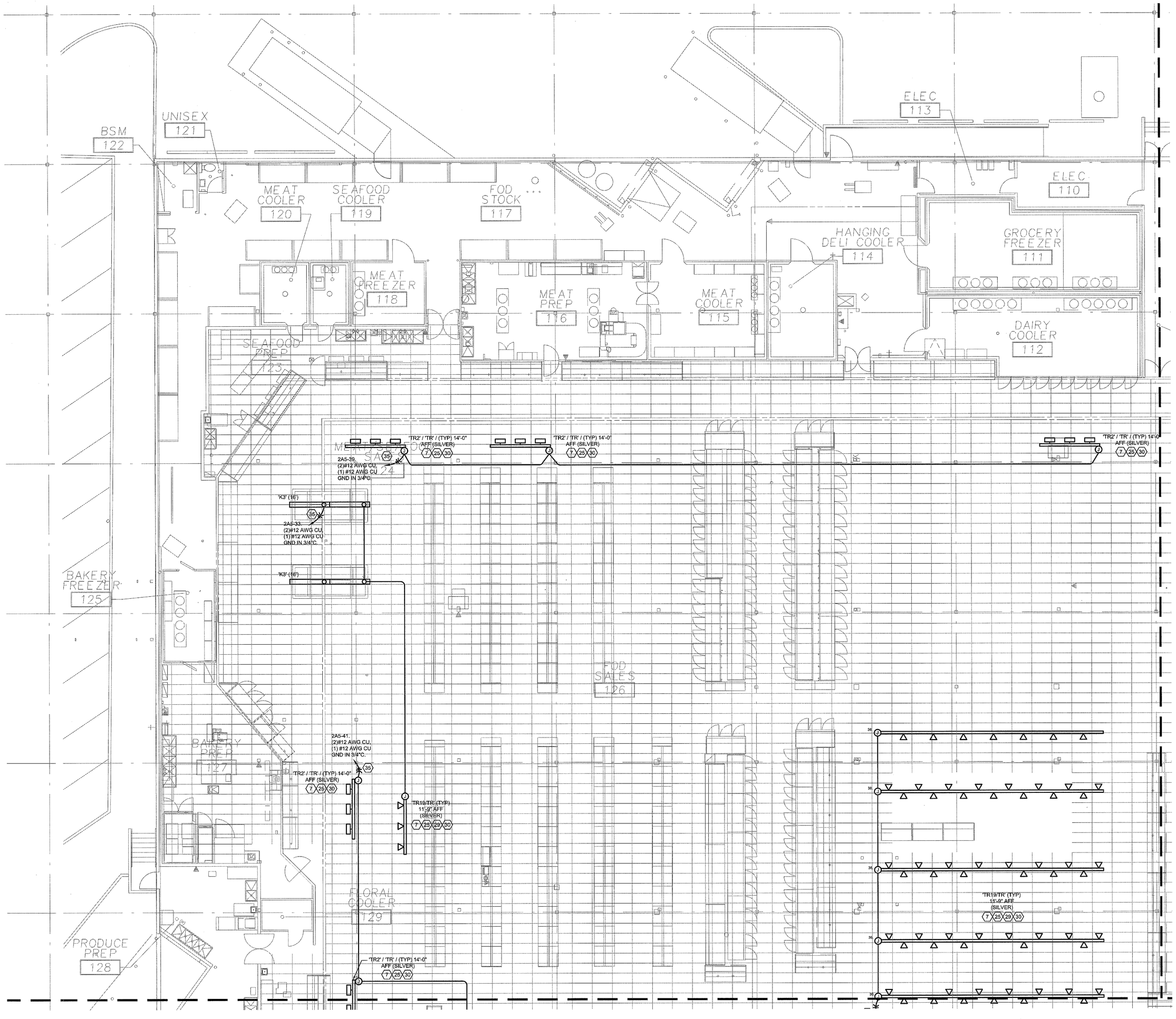

1 ELECTRICAL SPECIALTY LIGHTING PLAN - AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "O" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "O" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. MASTER/SLAVE (2x4) FIXTURE AS SHOWN. SEE LIGHT FIXTURE SCHEDULE DESCRIPTION.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. A6 SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. MOUNT "TR5/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'-0" A.F.F.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. PROVIDE AND INSTALL 10 AMP CURRENT LIMITING DEVICE. EXAMPLE: HALO LC901-CB1200-X. X=COLOR. LC901 US END FEED, LC903 IS A CENTER FEED.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER. SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBEL(WS277X) OR SIMILAR, FOR PMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED. ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "H5" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. INSTALL 'AA1' FIXTURES AT HEIGHT SPECIFIED ON DECOR/SIGNAGE ELEVATIONS. SUSPEND FIXTURES BY AIRCRAFT CABLE. COORDINATE WITH FRED MEYER RELAY MANAGER TO AIM LIGHTS AT GRAPHICS. SEE DETAIL ESD-50.

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REVISIONS:

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SHEET TITLE:
ELECTRICAL SPECIALTY LIGHTING PLAN AREA 1

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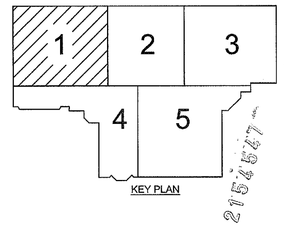

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SHEET
E1.2.1

JOB NO: 215034600.00

PERMIT SET: DECEMBER 21, 2015

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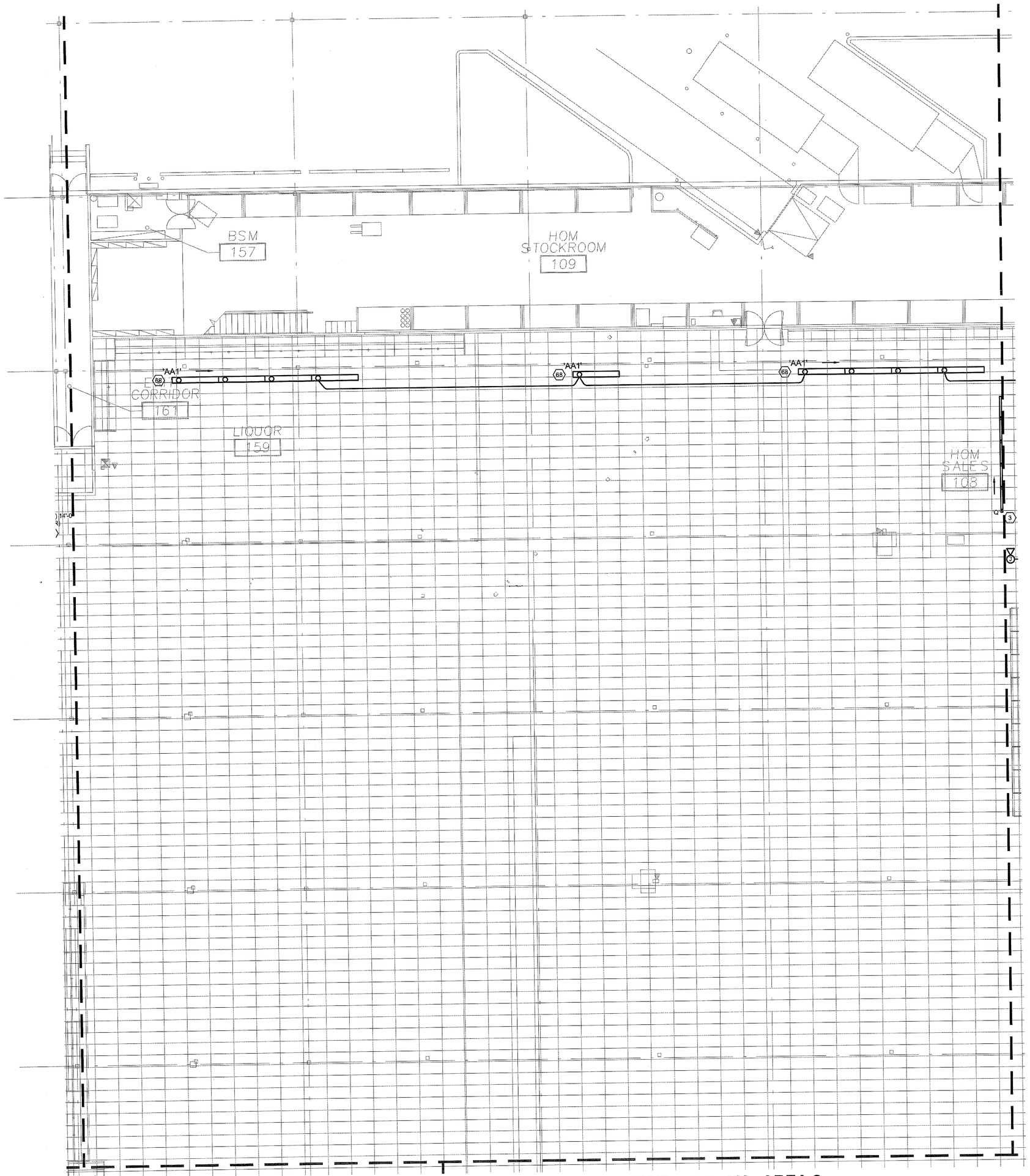

1 ELECTRICAL SPECIALTY LIGHTING PLAN - AREA 2

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT CUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-356.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. MASTER/SLAVE (2x4) FIXTURE AS SHOWN. SEE LIGHT FIXTURE SCHEDULE DESCRIPTION.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. MOUNT "TR5/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'-0" A.F.F.
27. MOUNT "TR3/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. PROVIDE AND INSTALL 10 AMP CURRENT LIMITING DEVICE. EXAMPLE: HALO LC901-CB120D-X. X=COLOR. LC901 US END FEED, LC903 IS A CENTER FEED.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER. SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBELL(WS277X) OR SIMILAR, FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM A POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N6" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
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59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
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62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. INSTALL 'AA1' FIXTURES AT HEIGHT SPECIFIED ON DECOR/SIGNAGE ELEVATIONS. SUSPEND FIXTURES BY AIRCRAFT CABLE. COORDINATE WITH FRED MEYER RELAY MANAGER TO AIM LIGHTS AT GRAPHICS. SEE DETAIL ESD-50.

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REVISIONS:

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SHEET TITLE:
ELECTRICAL SPECIALTY LIGHTING PLAN AREA 2

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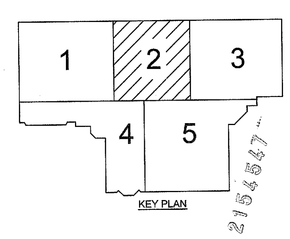

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PERMIT SET: DECEMBER 21, 2015

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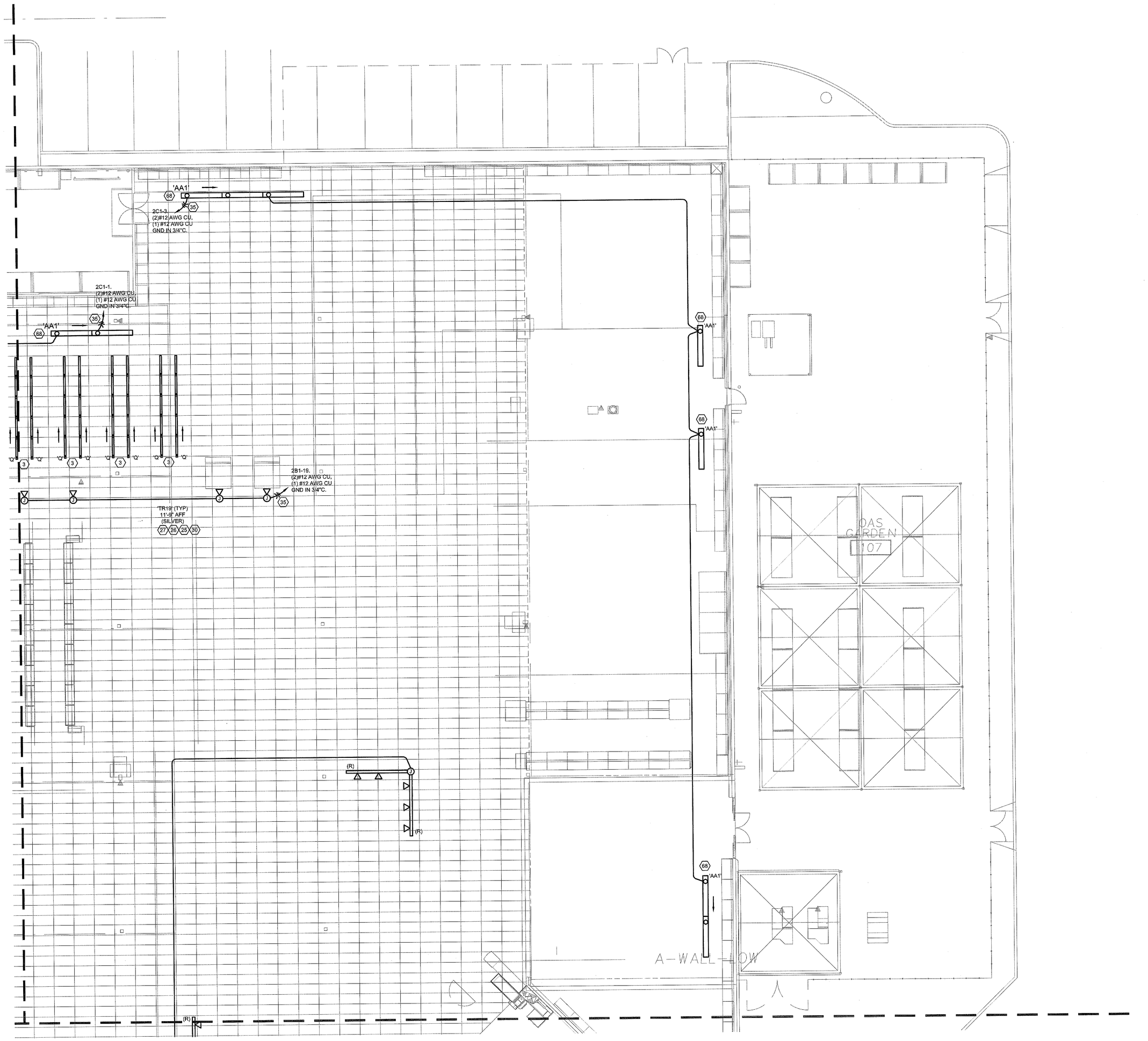

1 ELECTRICAL SPECIALTY LIGHTING PLAN - AREA 3

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "O" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. MASTER/SLAVE (2x4) FIXTURE AS SHOWN. SEE LIGHT FIXTURE SCHEDULE DESCRIPTION.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. MOUNT "TR5/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'-0" A.F.F.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. PROVIDE AND INSTALL 10 AMP CURRENT LIMITING DEVICE. EXAMPLE: HALO LC901-CB1200-X. X=COLOR. LC901 US END FEED, LC903 IS A CENTER FEED.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C..
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER. SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBELL(WS277X) OR SIMILAR. FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMBIENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N6" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. INSTALL 'AA1' FIXTURES AT HEIGHT SPECIFIED ON DECOR/SIGNAGE ELEVATIONS. SUSPEND FIXTURES BY AIRCRAFT CABLE. COORDINATE WITH FRED MEYER RELAY MANAGER TO AIM LIGHTS AT GRAPHICS. SEE DETAIL ESD-50.

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DAVID N. CHESNEK — STATE OF WASHINGTON — 35005 — REGISTERED PROFESSIONAL ENGINEER — 12/15/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL SPECIALTY LIGHTING PLAN AREA 3

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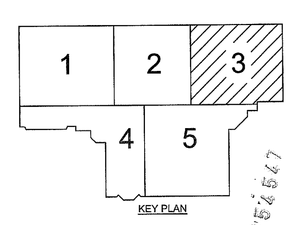


KEY PLAN

DRAWN BY: CK

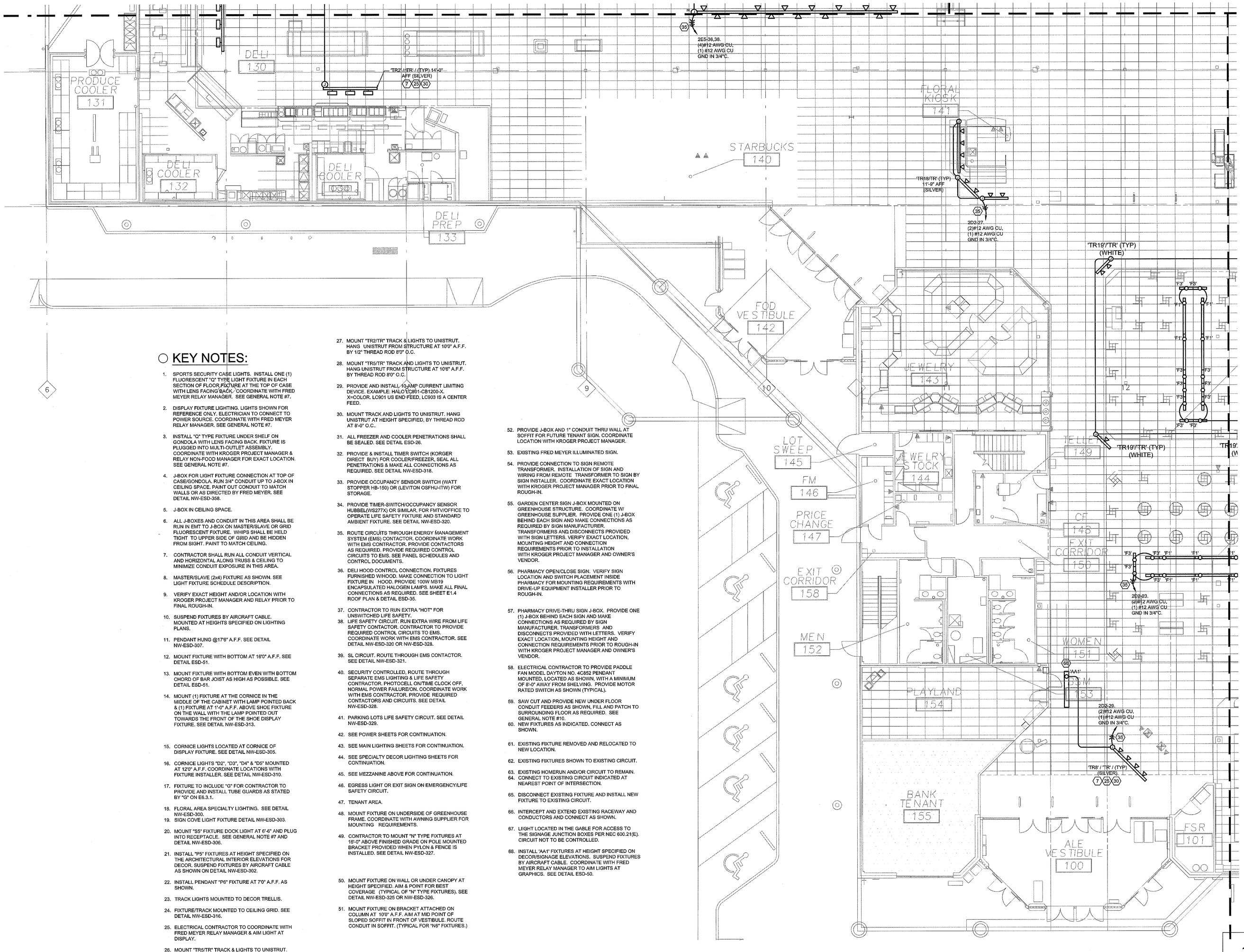
CHECKED BY: KW

SHEET
E1.2.3

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_E1.2.1 – ELECTRICAL SPECIALTY LIGHTING PLAN.DWG – E1.2.3 ELECTRICAL SPECIALTY LIGHTING PLAN – AREA 3 | EDIT: 12/15/2015 8:29 AM BY LORENAR | PLOT: 12/15/2015 2:51 PM BY LORENA RUIZ



KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
2. DISPLAY FIXTURE LIGHTING. LIGHTS SHOWN FOR REFERENCE ONLY. ELECTRICIAN TO CONNECT TO POWER SOURCE. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
3. INSTALL "Q" TYPE FIXTURE UNDER SHELF ON GONDOLA WITH LENS FACING BACK. FIXTURE IS PLUGGED INTO MULTI-OUTLET ASSEMBLY. COORDINATE WITH KROGER PROJECT MANAGER & RELAY NON-FOOD MANAGER FOR EXACT LOCATION. SEE GENERAL NOTE #7.
4. J-BOX FOR LIGHT FIXTURE CONNECTION AT TOP OF CASE/GONDOLA. RUN 3/4" CONDUIT UP TO J-BOX IN CEILING SPACE. PAINT OUT CONDUIT TO MATCH WALLS OR AS DIRECTED BY FRED MEYER. SEE DETAIL NW-ESD-358.
5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. MASTER/SLAVE (2x4) FIXTURE AS SHOWN. SEE LIGHT FIXTURE SCHEDULE DESCRIPTION.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 16'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
17. FIXTURE TO INCLUDE "G" FOR CONTRACTOR TO PROVIDE AND INSTALL TUBE GUARDS AS STATED BY "G" ON E6.3.1.
18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. MOUNT "TR5/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'-0" A.F.F.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
28. MOUNT "TR5/TR" TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'6" A.F.F. BY THREAD ROD 8'0" O.C.
29. PROVIDE AND INSTALL 10 AMP CURRENT LIMITING DEVICE. EXAMPLE: HALO LC901-CB1200-X. X=COLOR. LC901 US END FEED, LC903 IS A CENTER FEED.
30. MOUNT TRACK AND LIGHTS TO UNISTRUT. HANG UNISTRUT AT HEIGHT SPECIFIED, BY THREAD ROD AT 8'-0" O.C.
31. ALL FREEZER AND COOLER PENETRATIONS SHALL BE SEALED. SEE DETAIL ESD-26.
32. PROVIDE & INSTALL TIMER SWITCH (KORGER DIRECT BUY) FOR COOLER/FREEZER, SEAL ALL PENETRATIONS & MAKE ALL CONNECTIONS AS REQUIRED. SEE DETAIL NW-ESD-318.
33. PROVIDE OCCUPANCY SENSOR SWITCH (WATT STOPPER HB-150) OR (LEVITON OSFHU-ITW) FOR STORAGE.
34. PROVIDE TIMER-SWITCH/OCCUPANCY SENSOR HUBBELL(WS277X) OR SIMILAR. FOR FMTV/OFFICE TO OPERATE LIFE SAFETY FIXTURE AND STANDARD AMB/ENT FIXTURE. SEE DETAIL NW-ESD-320.
35. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTOR. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. SEE PANEL SCHEDULES AND CONTROL DOCUMENTS.
36. DELI HOOD CONTROL CONNECTION; FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED. ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
46. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N5" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
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58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN. WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYP/CAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
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64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
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67. LIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. INSTALL 'AA1' FIXTURES AT HEIGHT SPECIFIED ON DECOR/SIGNAGE ELEVATIONS. SUSPEND FIXTURES BY AIRCRAFT CABLE. COORDINATE WITH FRED MEYER RELAY MANAGER TO AIM LIGHTS AT GRAPHICS. SEE DETAIL ESD-50.

1 ELECTRICAL SPECIALTY LIGHTING PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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DAVID N. CHESLEY — OREGON — EXPIRES: 12/31/16 — PROFESSIONAL ENGINEER — 12/15/15

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SHEET TITLE:
ELECTRICAL SPECIALTY LIGHTING PLAN AREA 4

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DRAWN BY: CK

CHECKED BY: KW

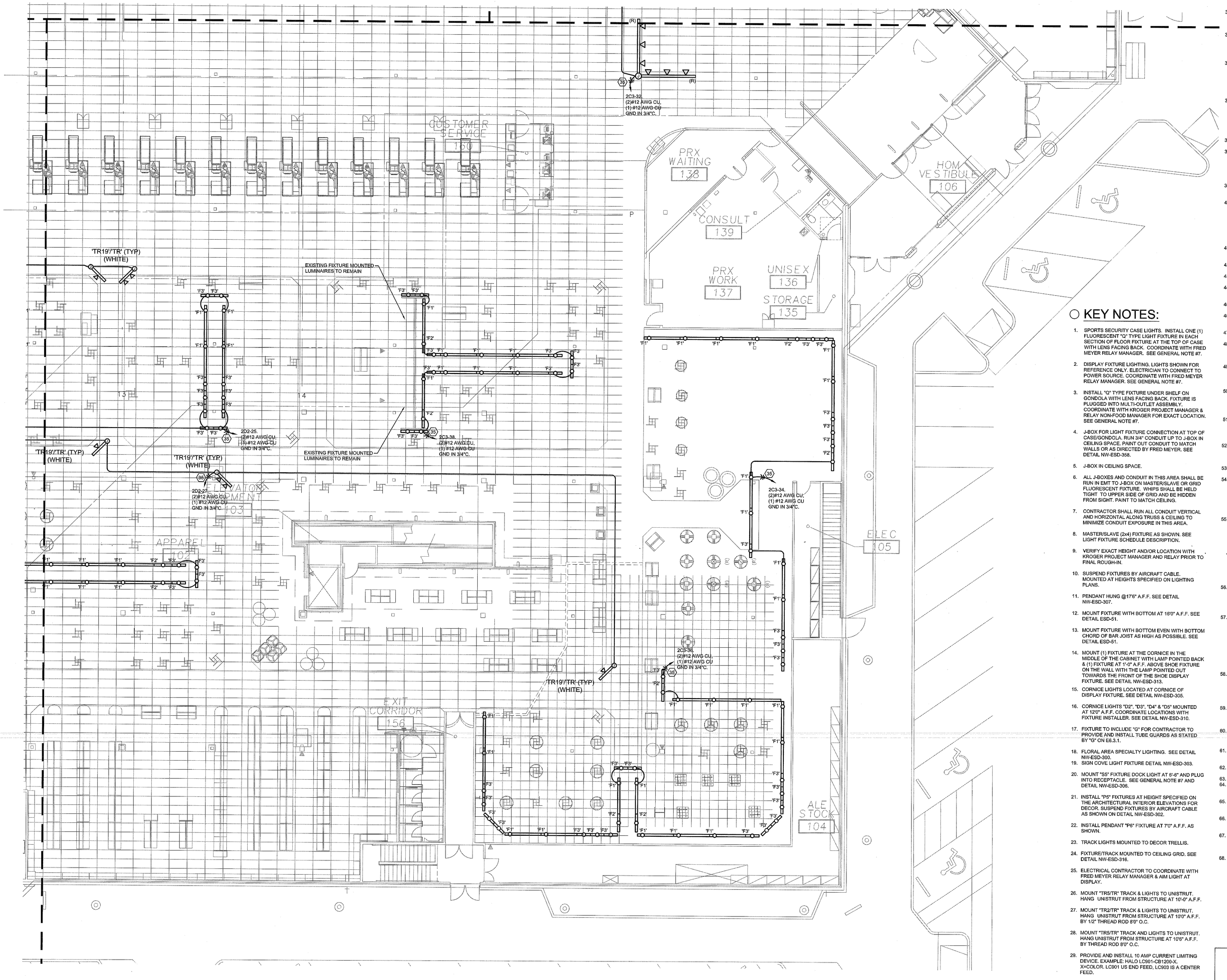
SHEET
E1.2.4

JOB NO. 215034600.00

KEY PLAN

PERMIT SET: DECEMBER 21, 2015

FILE: 172_E1.2.1 – ELECTRICAL SPECIALTY LIGHTING PLAN.DWG – E1.2.4 ELECTRICAL SPECIALTY LIGHTING PLAN – AREA 4 | EDIT: 12/15/2015 8:29 AM BY LORENAR | PLOT: 12/15/2015 2:51 PM BY LORENA RUIZ



1 ELECTRICAL SPECIALTY LIGHTING PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SPORTS SECURITY CASE LIGHTS. INSTALL ONE (1) FLUORESCENT "Q" TYPE LIGHT FIXTURE IN EACH SECTION OF FLOOR FIXTURE AT THE TOP OF CASE WITH LENS FACING BACK. COORDINATE WITH FRED MEYER RELAY MANAGER. SEE GENERAL NOTE #7.
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5. J-BOX IN CEILING SPACE.
6. ALL J-BOXES AND CONDUIT IN THIS AREA SHALL BE RUN IN EMT TO J-BOX ON MASTER/SLAVE OR GRID FLUORESCENT FIXTURE. WHIPS SHALL BE HELD TIGHT TO UPPER SIDE OF GRID AND BE HIDDEN FROM SIGHT. PAINT TO MATCH CEILING.
7. CONTRACTOR SHALL RUN ALL CONDUIT VERTICAL AND HORIZONTAL ALONG TRUSS & CEILING TO MINIMIZE CONDUIT EXPOSURE IN THIS AREA.
8. MASTER/SLAVE (2x4) FIXTURE AS SHOWN. SEE LIGHT FIXTURE SCHEDULE DESCRIPTION.
9. VERIFY EXACT HEIGHT AND/OR LOCATION WITH KROGER PROJECT MANAGER AND RELAY PRIOR TO FINAL ROUGH-IN.
10. SUSPEND FIXTURES BY AIRCRAFT CABLE. MOUNTED AT HEIGHTS SPECIFIED ON LIGHTING PLANS.
11. PENDANT HUNG @17'6" A.F.F. SEE DETAIL NW-ESD-307.
12. MOUNT FIXTURE WITH BOTTOM AT 18'0" A.F.F. SEE DETAIL ESD-51.
13. MOUNT FIXTURE WITH BOTTOM EVEN WITH BOTTOM CHORD OF BAR JOIST AS HIGH AS POSSIBLE. SEE DETAIL ESD-51.
14. MOUNT (1) FIXTURE AT THE CORNICE IN THE MIDDLE OF THE CABINET WITH LAMP POINTED BACK & (1) FIXTURE AT 1'-0" A.F.F. ABOVE SHOE FIXTURE ON THE WALL WITH THE LAMP POINTED OUT TOWARDS THE FRONT OF THE SHOE DISPLAY FIXTURE. SEE DETAIL NW-ESD-313.
15. CORNICE LIGHTS LOCATED AT CORNICE OF DISPLAY FIXTURE. SEE DETAIL NW-ESD-305.
16. CORNICE LIGHTS "D2", "D3", "D4" & "D5" MOUNTED AT 12'0" A.F.F. COORDINATE LOCATIONS WITH FIXTURE INSTALLER. SEE DETAIL NW-ESD-310.
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18. FLORAL AREA SPECIALTY LIGHTING. SEE DETAIL NW-ESD-300.
19. SIGN COVE LIGHT FIXTURE DETAIL NW-ESD-303.
20. MOUNT "S5" FIXTURE DOCK LIGHT AT 6'-6" AND PLUG INTO RECEPTACLE. SEE GENERAL NOTE #7 AND DETAIL NW-ESD-306.
21. INSTALL "P5" FIXTURES AT HEIGHT SPECIFIED ON THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DECOR. SUSPEND FIXTURES BY AIRCRAFT CABLE AS SHOWN ON DETAIL NW-ESD-302.
22. INSTALL PENDANT "P6" FIXTURE AT 7'0" A.F.F. AS SHOWN.
23. TRACK LIGHTS MOUNTED TO DECOR TRELLIS.
24. FIXTURE/TRACK MOUNTED TO CEILING GRID. SEE DETAIL NW-ESD-316.
25. ELECTRICAL CONTRACTOR TO COORDINATE WITH FRED MEYER RELAY MANAGER & AIM LIGHT AT DISPLAY.
26. MOUNT "TR5/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'-0" A.F.F.
27. MOUNT "TR2/TR" TRACK & LIGHTS TO UNISTRUT. HANG UNISTRUT FROM STRUCTURE AT 10'0" A.F.F. BY 1/2" THREAD ROD 8'0" O.C.
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36. DELI HOOD CONTROL CONNECTION. FIXTURES FURNISHED W/HOOD. MAKE CONNECTION TO LIGHT FIXTURE IN HOOD. PROVIDE 100W MB19 ENCAPSULATED HALOGEN LAMPS. MAKE ALL FINAL CONNECTIONS AS REQUIRED. SEE SHEET E1.4 ROOF PLAN & DETAIL ESD-35.
37. CONTRACTOR TO RUN EXTRA "HOT" FOR UNSWITCHED LIFE SAFETY.
38. LIFE SAFETY CIRCUIT. RUN EXTRA WIRE FROM LIFE SAFETY CONTACTOR. CONTRACTOR TO PROVIDE REQUIRED CONTROL CIRCUITS TO EMS. COORDINATE WORK WITH EMS CONTRACTOR. SEE DETAIL NW-ESD-320 OR NW-ESD-328.
39. SL CIRCUIT. ROUTE THROUGH EMS CONTACTOR. SEE DETAIL NW-ESD-321.
40. SECURITY CONTROLLED, ROUTE THROUGH SEPARATE EMS LIGHTING & LIFE SAFETY CONTRACTOR. PHOTOCELL ON/TIME CLOCK OFF, NORMAL POWER FAILURE/ON. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE REQUIRED CONTACTORS AND CIRCUITS. SEE DETAIL NW-ESD-328.
41. PARKING LOTS LIFE SAFETY CIRCUIT. SEE DETAIL NW-ESD-329.
42. SEE POWER SHEETS FOR CONTINUATION.
43. SEE MAIN LIGHTING SHEETS FOR CONTINUATION.
44. SEE SPECIALTY DECOR LIGHTING SHEETS FOR CONTINUATION.
45. SEE MEZZANINE ABOVE FOR CONTINUATION.
48. EGRESS LIGHT OR EXIT SIGN ON EMERGENCY/LIFE SAFETY CIRCUIT.
47. TENANT AREA.
48. MOUNT FIXTURE ON UNDERSIDE OF GREENHOUSE FRAME. COORDINATE WITH AWNING SUPPLIER FOR MOUNTING REQUIREMENTS.
49. CONTRACTOR TO MOUNT "N" TYPE FIXTURES AT 16'-0" ABOVE FINISHED GRADE ON POLE MOUNTED BRACKET PROVIDED WHEN PYLON & FENCE IS INSTALLED. SEE DETAIL NW-ESD-327.
50. MOUNT FIXTURE ON WALL OR UNDER CANOPY AT HEIGHT SPECIFIED. AIM & POINT FOR BEST COVERAGE (TYPICAL OF "N" TYPE FIXTURES). SEE DETAIL NW-ESD-325 OR NW-ESD-326.
51. MOUNT FIXTURE ON BRACKET ATTACHED ON COLUMN AT 10'0" A.F.F. AIM AT MID POINT OF SLOPED SOFFIT IN FRONT OF VESTIBULE. ROUTE CONDUIT IN SOFFIT. (TYPICAL FOR "N5" FIXTURES.)
52. PROVIDE J-BOX AND 1" CONDUIT THRU WALL AT SOFFIT FOR FUTURE TENANT SIGN. COORDINATE LOCATION WITH KROGER PROJECT MANAGER.
53. EXISTING FRED MEYER ILLUMINATED SIGN.
54. PROVIDE CONNECTION TO SIGN REMOTE TRANSFORMER. INSTALLATION OF SIGN AND WIRING FROM REMOTE TRANSFORMER TO SIGN BY SIGN INSTALLER. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER PRIOR TO FINAL ROUGH-IN.
55. GARDEN CENTER SIGN J-BOX MOUNTED ON GREENHOUSE STRUCTURE. COORDINATE W/ GREENHOUSE SUPPLIER. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH SIGN LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO INSTALLATION WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
56. PHARMACY OPEN/CLOSE SIGN. VERIFY SIGN LOCATION AND SWITCH PLACEMENT INSIDE PHARMACY FOR MOUNTING REQUIREMENTS WITH DRIVE-UP EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
57. PHARMACY DRIVE-THRU SIGN J-BOX. PROVIDE ONE (1) J-BOX BEHIND EACH SIGN AND MAKE CONNECTIONS AS REQUIRED BY SIGN MANUFACTURER. TRANSFORMERS AND DISCONNECTS PROVIDED WITH LETTERS. VERIFY EXACT LOCATION, MOUNTING HEIGHT AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN WITH KROGER PROJECT MANAGER AND OWNER'S VENDOR.
58. ELECTRICAL CONTRACTOR TO PROVIDE PADDLE FAN MODEL DAYTON NO. 4C852 PENDANT MOUNTED, LOCATED AS SHOWN, WITH A MINIMUM OF 8'-0" AWAY FROM SHELVING. PROVIDE MOTOR RATED SWITCH AS SHOWN (TYPICAL).
59. SAW CUT AND PROVIDE NEW UNDER FLOOR CONDUIT FEEDERS AS SHOWN, FILL AND PATCH TO SURROUNDING FLOOR AS REQUIRED. SEE GENERAL NOTE #10.
60. NEW FIXTURES AS INDICATED. CONNECT AS SHOWN.
61. EXISTING FIXTURE REMOVED AND RELOCATED TO NEW LOCATION.
62. EXISTING FIXTURES SHOWN TO EXISTING CIRCUIT.
63. EXISTING HOMERUN AND/OR CIRCUIT TO REMAIN.
64. CONNECT TO EXISTING CIRCUIT INDICATED AT NEAREST POINT OF INTERSECTION.
65. DISCONNECT EXISTING FIXTURE AND INSTALL NEW FIXTURE TO EXISTING CIRCUIT.
66. INTERCEPT AND EXTEND EXISTING RACEWAY AND CONDUCTORS AND CONNECT AS SHOWN.
67. LIIGHT LOCATED IN THE GABLE FOR ACCESS TO THE SIGNAGE JUNCTION BOXES PER NEC 600.21(E). CIRCUIT NOT TO BE CONTROLLED.
68. INSTALL 'AA1' FIXTURES AT HEIGHT SPECIFIED ON DECOR/SIGNAGE ELEVATIONS. SUSPEND FIXTURES BY AIRCRAFT CABLE. COORDINATE WITH FRED MEYER RELAY MANAGER TO AIM LIGHTS AT GRAPHICS. SEE DETAIL ESD-50.

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DAVID N. ORESEK — 20006 — REGISTERED PROFESSIONAL ENGINEER — 12/15/15

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REVISIONS:

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SHEET TITLE:
ELECTRICAL SPECIALTY LIGHTING PLAN AREA 5

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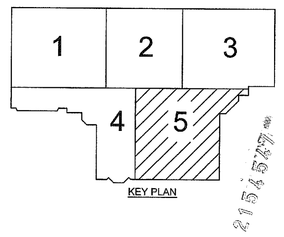


DRAWN BY: CK

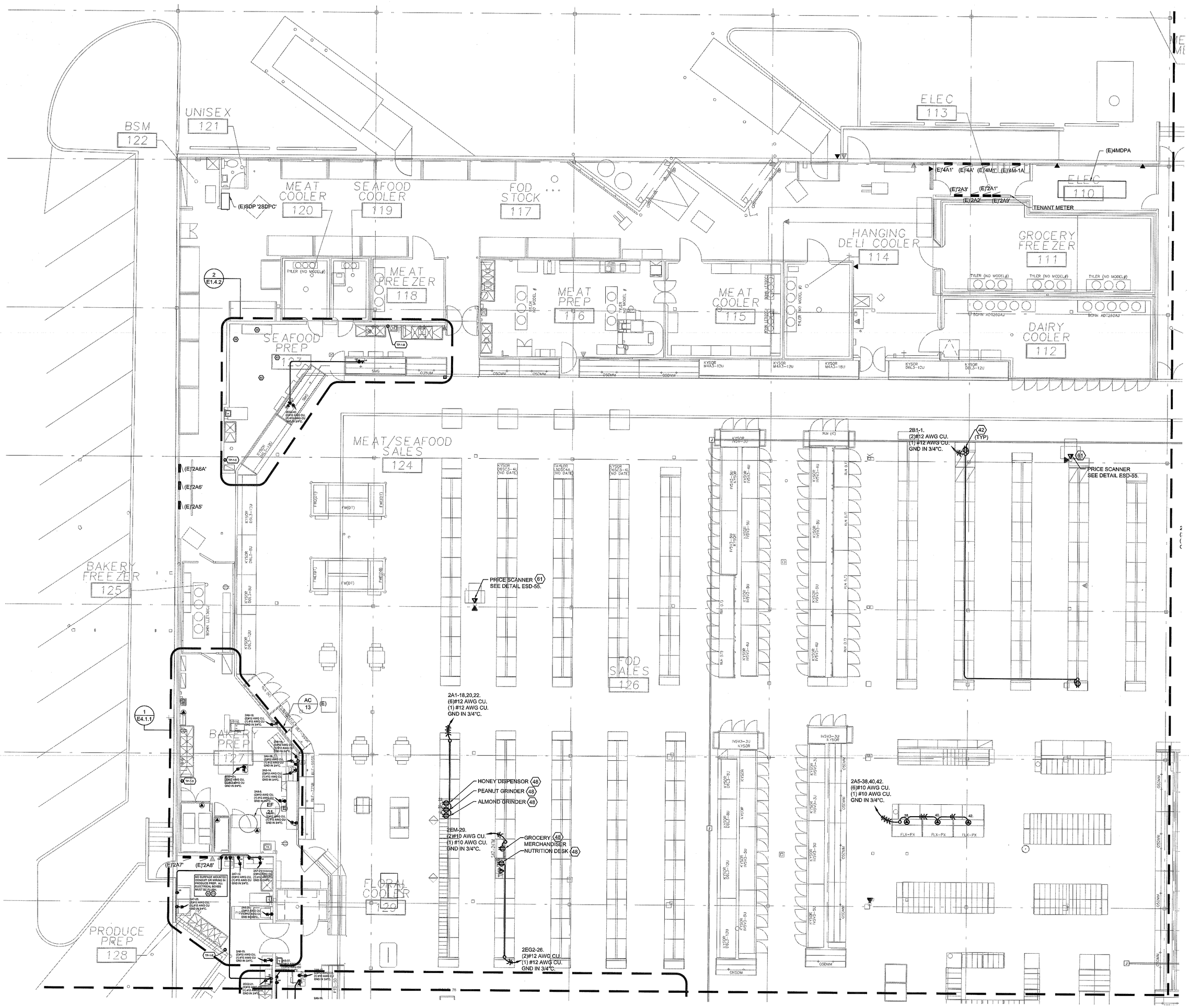
CHECKED BY: KW

SHEET
E1.2.5

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FILE: 172_E1.2.1 – ELECTRICAL SPECIALTY LIGHTING PLAN.DWG – E1.2.5 ELECTRICAL SPECIALTY LIGHTING PLAN – AREA 5 | EDIT: 12/15/2015 8:29 AM BY LORENAR | PLOT: 12/15/2015 2:52 PM BY LORENA RUIZ



1 ELECTRICAL POWER PLAN - AREA 1

0 4' 8' 16'

SCALE: 1/8"=1'-0"

⬡ KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 6" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
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4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 45" AND 76" A.F.F., COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-362.
6. MOUNT J-BOX 2" ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE, TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPATCLE FOR EXIT TONE CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-18920, SWITCH & 10' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE, TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 6" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET IG C.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT, POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-62.
18. INTERMATIC FF36H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" A.F.F.
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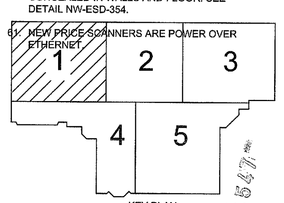
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH. CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54". SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN". COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING. CO TO BE MOUNTED IN FS TYPE BOX. PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF FS BOX. SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
23. SEAL ALL PENETRATIONS.
24. SECURITY SENSORMATIC EQUIPMENT, SEE DETAIL NW-ESD-400. PROVIDED BY FRED MEYER AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ISOLATED GROUND RECEPTACLE WITHIN CABINET, COORDINATE EXACT LOCATION WITH LOSS PREVENTION AND KROGER PROJECT MANAGER.
25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-353 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION, SEE DETAIL NW-ESD-400.
28. SAWCUT & PROVIDE UNDERFLOOR DUCT OR CONDUIT FEEDERS AS SHOWN. FILL & PATCH TO MATCH SURROUNDING FLOOR. VERIFY EXISTING CONDITIONS PRIOR TO SAWCUTTING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING CONDITIONS THAT WILL NEED TO BE REPAIRED DO TO SAWCUTTING.
29. JUNCTION BOX FOR DOCK DOOR SECURITY. SEE DETAIL NW-ESD-405.
30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
33. MOUNT RECEPTACLE IN TOE KICK OR BASEBOARD.
34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
35. DEVICES MOUNTED IN CASEWORK, COORDINATE LOCATION AND MOUNTING DETAILS WITH CASEWORK SUPPLIER.
36. AUTO DOOR POWER, ROUTE THROUGH DOOR MULLION TO DOOR CONTROL PANEL AND MAKE UP ALL NECESSARY CONNECTIONS.
37. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS AND PROVIDE ANY REQUIRED EQUIPMENT TO COMPLETE INSTALLATION. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT SCHEDULE.
38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STONE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL.)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 66. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"x4"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
44. 3/4" CONDUIT FROM GONDOLA MOUNTED DEVICE UP TO J-BOX ABOVE CEILING. PAINT TO MATCH WALLS. SEE GENERAL NOTE NO. 11 & 12.
45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
48. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT. SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
55. PROVIDE NEW COVERS FOR EXISTING JUNCTION BOX AND LEVEL TO FLOOR. SEE DETAIL NW-ESD-354.
56. AS-BUILTS ARE INCONCLUSIVE. CONTRACTOR TO VERIFY CIRCUIT AND UPDATE PANEL SCHEDULE AND FINAL AS-BUILTS.
57. ELECTRICAL CONTRACTOR TO PROVIDE AMSECO DOOR ANNUNCIATOR SYSTEM, MODEL EBP-401, THIS SHALL BE INSTALLED BY THE EC ACROSS THE ENTRY DOORWAY. PROVIDE 1/2" CONDUIT FROM OUTLET AT CEILING SPACE TO INFRA-RED SENSOR AT 2'0" AFF AT DOORWAY. RUN (2) 14/2 CONDUCTORS IN THE 1/2" CONDUIT. (1) 14/2 FROM THE POWER SUPPLY THAT PLUGS INTO THE OUTLET AT 10'6" AFF TO PROVIDE POWER FOR INFRA-RED SENSOR. (1) 14/2 CONDUCTORS FROM INFRA-RED SENSOR TO THE CHIME UNIT LOCATED AT 10'6"AFF NEXT TO THE OUTLET IF OPEN GRID CEILING OR AT 6" BELOW A CLOSED GRID CEILING.
58. PROVIDE MOMENTARY SWITCH (EATON M22-WS3) WITH (2) CONTACT BLOCKS (EATON M22-K10) OR SIMILAR FOR CONTROLLING THE ROLL SEAL DOORS.
59. CONTRACTOR TO CONNECT PANEL PROVIDED BY OTHERS. COORDINATE WITH KIOSK PROVIDER.
60. UNDER FLOOR DUCT SYSTEM JUNCTION BOX FOR (2) CELL UNDER FLOOR DUCT SYSTEM. PROVIDE TWO(2) 2" CONDUITS WITH PULL CORD FOR POWER TO PANELS NOTED AND TWO(2) 2" CONDUITS WITH PULLCORD FOR VOICE/DATA TO ACCESSIBLE CEILING SPACE, ROUTE DATA TO NEAREST JUNCTION BOX, CONCEALED IN WALLS AND FLOOR. SEE DETAIL NW-ESD-354.

61 NEW PRICE SCANNERS ARE POWER OVER ETHERNET



KEY PLAN

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DAVID N. CHESLEY — EXPIRES 12/15/15 — 20000 — PROFESSIONAL ENGINEER

12/15/15

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SHEET TITLE:
ELECTRICAL POWER PLAN AREA 1

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DRAWN BY: CK

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SHEET
E1.3.1

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON A SURVEY BY HOSKINS ENGINEERING DATED 10/2015

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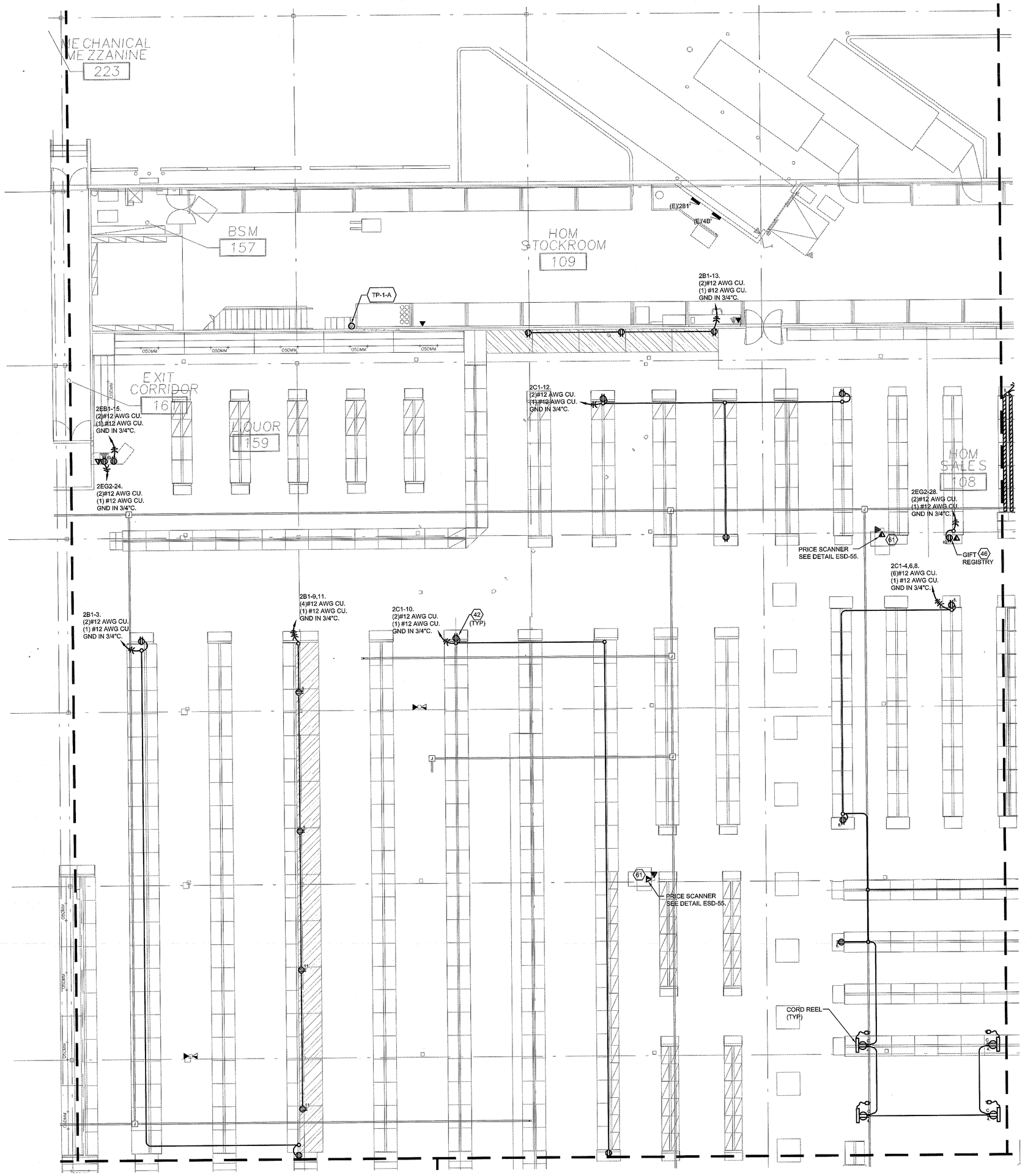

1 ELECTRICAL POWER PLAN - AREA 2

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEYNOTES

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2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
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30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
33. MOUNT RECEPTACLE IN TOE KICK OR BASEBOARD.
34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
35. DEVICES MOUNTED IN CASEWORK, COORDINATE LOCATION AND MOUNTING DETAILS WITH CASEWORK SUPPLIER.
36. AUTO DOOR POWER, ROUTE THROUGH DOOR MULLION TO DOOR CONTROL PANEL AND MAKE UP ALL NECESSARY CONNECTIONS.
37. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS AND PROVIDE ANY REQUIRED EQUIPMENT TO COMPLETE INSTALLATION. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT SCHEDULE.
38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STORE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL.)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 66. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"x4"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
44. 3/4" CONDUIT FROM GONDOLA MOUNTED DEVICE UP TO J-BOX ABOVE CEILING. PAINT TO MATCH WALLS. SEE GENERAL NOTE NO. 11 & 12.
45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN..
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR, PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
48. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT. SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
55. PROVIDE NEW COVERS FOR EXISTING JUNCTION BOX AND LEVEL TO FLOOR. SEE DETAIL NW-ESD-354.
56. AS-BUILTS ARE INCONCLUSIVE. CONTRACTOR TO VERIFY CIRCUIT AND UPDATE PANEL SCHEDULE AND FINAL AS-BUILTS.
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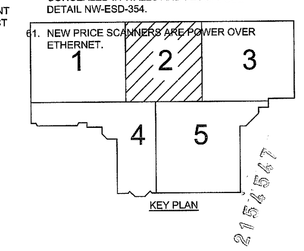
58. PROVIDE MOMENTARY SWITCH (EATON M22-WS3) WITH (2) CONTACT BLOCKS (EATON M22-K10) OR SIMILAR FOR CONTROLLING THE ROLL SEAL DOORS.
59. CONTRACTOR TO CONNECT PANEL PROVIDED BY OTHERS. COORDINATE WITH KIOSK PROVIDER.
60. UNDER FLOOR DUCT SYSTEM JUNCTION BOX FOR (2) CELL UNDER FLOOR DUCT SYSTEM. PROVIDE TWO(2) 2" CONDUITS WITH PULL CORD FOR POWER TO PANELS NOTED AND TWO(2) 2" CONDUITS WITH PULLCORD FOR VOICE/DATA TO ACCESSIBLE CEILING SPACE. ROUTE DATA TO NEAREST JUNCTION BOX, CONCEALED IN WALLS AND FLOOR. SEE DETAIL NW-ESD-354.
61. NEW PRICE SCANNERS 2/45 POWER OVER ETHERNET.



KEY PLAN

2015.15.7

PERMIT SET: DECEMBER 21, 2015

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL LIGHTING PLAN AREA 2

RECEIVED
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CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

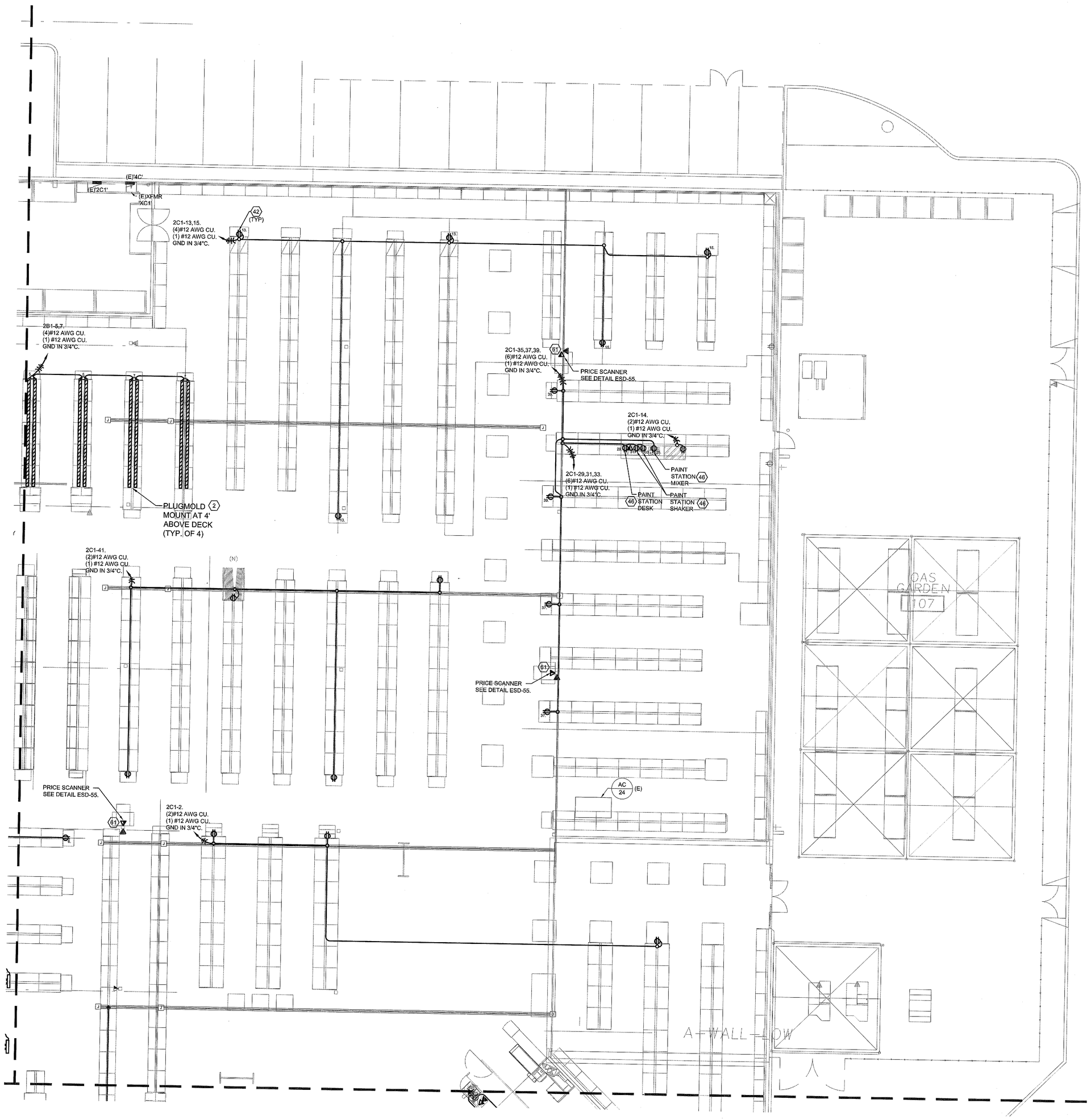
CHECKED BY: KW

SHEET
E1.3.2

JOB NO. 215034600.00

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON SURVEY BY: HANSEN & ASSOCIATES DATED: 7/16/15

FILE: 172_E1.3.2 ELECTRICAL POWER PLAN – AREA 2 | EDIT: 12/15/2015 8:37 AM BY LORENAR | PLOT: 12/15/2015 1:52 PM BY LORENA RUIZ



1 ELECTRICAL POWER PLAN - AREA 3

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 6" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
3. PLUGMOLD 2000 WITH OUTLETS AT 12" O.C. MOUNT AT SPECIFIED HEIGHT.
4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 45" AND 76" A.F.F., COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-362.
6. MOUNT J-BOX 2" ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE. TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPATCLE FOR EXIT TONE. CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-18920, SWITCH & 15' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE, TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 6" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET IG C.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT, POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-62.
18. INTERMATIC FF96H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER, MOUNT TIMER AT 4'-6" A.F.F.
19. SEE DELI HOOD SEE DETAIL ESD-35 AND SHEET E5.2.
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH. CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54". SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN". COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING. CO TO BE MOUNTED IN FS TYPE BOX. PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF FS BOX, SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
23. SEAL ALL PENETRATIONS.
24. SECURITY SENSORMATIC EQUIPMENT, SEE DETAIL NW-ESD-400, PROVIDED BY FRED MEYER AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ISOLATED GROUND RECEPTACLE WITHIN CABINET, COORDINATE EXACT LOCATION WITH LOSS PREVENTION AND KROGER PROJECT MANAGER.
25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-363 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION. SEE DETAIL NW-ESD-400.
28. SAWCUT & PROVIDE UNDERFLOOR DUCT OR CONDUIT FEEDERS AS SHOWN. FILL & PATCH TO MATCH SURROUNDING FLOOR. VERIFY EXISTING CONDITIONS PRIOR TO SAWCUTTING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING CONDITIONS THAT WILL NEED TO BE REPAIRED DO TO SAWCUTTING.
29. JUNCTION BOX FOR DOCK DOOR SECURITY. SEE DETAIL NW-ESD-405.
30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
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KEY PLAN

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REVISIONS:

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SHEET TITLE:
ELECTRICAL
POWER PLAN
AREA 3

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK
CHECKED BY: KW

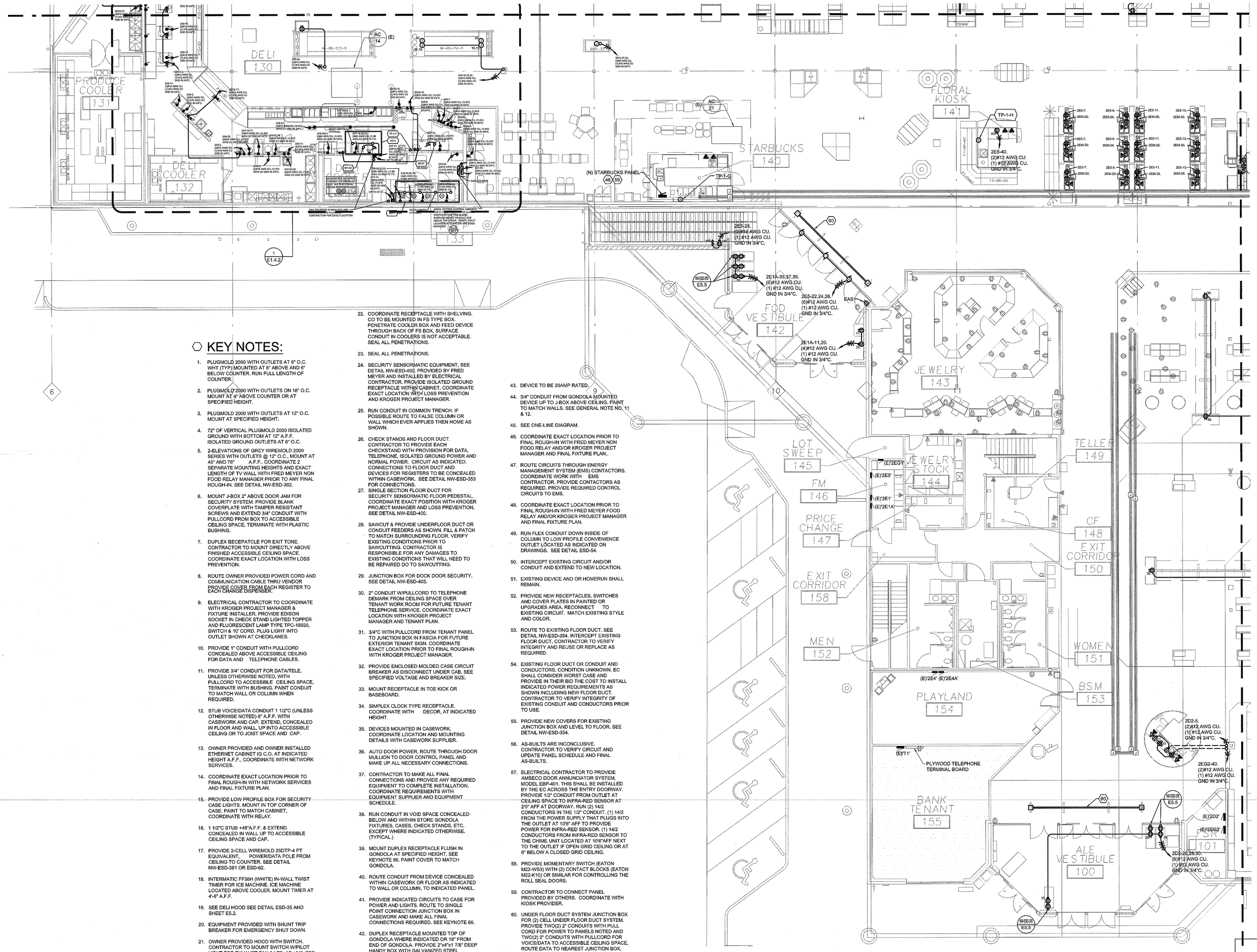
SHEET
E1.3.3

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR ASSISTANCE AND ALIGNMENT PURPOSES ONLY. AS-SURVEY BY HENNAY BOWDEN DATED 04/01/15.

FILE: 172_ELECTRICAL_E1.3.3 ELECTRICAL POWER PLAN – AREA 3 | EDIT: 12/15/2015 8:37 AM BY LORENAR | PLOT: 12/15/2015 1:52 PM BY LORENA RUIZ



KEY NOTES:

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24. SECURITY SENSORMATIC EQUIPMENT, SEE DETAIL NW-ESD-400. PROVIDED BY FRED MEYER AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ISOLATED GROUND RECEPTACLE WITHIN CABINET. COORDINATE EXACT LOCATION WITH LOSS PREVENTION AND KROGER PROJECT MANAGER.
25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-353 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION, SEE DETAIL NW-ESD-400.
28. SAWCUT & PROVIDE UNDERFLOOR DUCT OR CONDUIT FEEDERS AS SHOWN. FILL & PATCH TO MATCH SURROUNDING FLOOR. VERIFY EXISTING CONDITIONS PRIOR TO SAWCUTTING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING CONDITIONS THAT WILL NEED TO BE REPAIRED DO TO SAWCUTTING.
29. JUNCTION BOX FOR DOCK DOOR SECURITY, SEE DETAIL NW-ESD-405.
30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
33. MOUNT RECEPTACLE IN TOE KICK OR BASEBOARD.
34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
35. DEVICES MOUNTED IN CASEWORK, COORDINATE LOCATION AND MOUNTING DETAILS WITH CASEWORK SUPPLIER.
36. AUTO DOOR POWER, ROUTE THROUGH DOOR MULLION TO DOOR CONTROL PANEL AND MAKE UP ALL NECESSARY CONNECTIONS.
37. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS AND PROVIDE ANY REQUIRED EQUIPMENT TO COMPLETE INSTALLATION. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT SCHEDULE.
38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STORE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 66. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"x4"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
44. 3/4" CONDUIT FROM GONDOLA MOUNTED DEVICE UP TO J-BOX ABOVE CEILING. PAINT TO MATCH WALLS. SEE GENERAL NOTE NO. 11 & 12.
45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN..
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
48. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT. SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
55. PROVIDE NEW COVERS FOR EXISTING JUNCTION BOX AND LEVEL TO FLOOR. SEE DETAIL NW-ESD-354.
56. AS-BUILTS ARE INCONCLUSIVE. CONTRACTOR TO VERIFY CIRCUIT AND UPDATE PANEL SCHEDULE AND FINAL AS-BUILTS.
57. ELECTRICAL CONTRACTOR TO PROVIDE AMSECO DOOR ANNUNCIATOR SYSTEM, MODEL EBP-401. THIS SHALL BE INSTALLED BY THE EC ACROSS THE ENTRY DOORWAY. PROVIDE 1/2" CONDUIT FROM OUTLET AT CEILING SPACE TO INFRA-RED SENSOR AT 20'0 AFF AT DOORWAY. RUN (2) 14/2 CONDUCTORS IN THE 1/2" CONDUIT. (1) 14/2 FROM THE POWER SUPPLY THAT PLUGS INTO THE OUTLET AT 10'6" AFF TO PROVIDE POWER FOR INFRA-RED SENSOR. (1) 14/2 CONDUCTORS FROM INFRA-RED SENSOR TO THE CHIME UNIT LOCATED AT 10'6"AFF NEXT TO THE OUTLET IF OPEN GRID CEILING OR AT 6" BELOW A CLOSED GRID CEILING.
58. PROVIDE MOMENTARY SWITCH (EATON M22-WS3) WITH (2) CONTACT BLOCKS (EATON M22-K10) OR SIMILAR FOR CONTROLLING THE ROLL SEAL DOORS.
59. CONTRACTOR TO CONNECT PANEL PROVIDED BY OTHERS. COORDINATE WITH KIOSK PROVIDER.
60. UNDER FLOOR DUCT SYSTEM JUNCTION BOX FOR (2) CELL UNDER FLOOR DUCT SYSTEM. PROVIDE TWO(2) 2" CONDUITS WITH PULL CORD FOR POWER TO PANELS NOTED AND TWO(2) 2" CONDUITS WITH PULLCORD FOR VOICE/DATA TO ACCESSIBLE CEILING SPACE, ROUTE DATA TO NEAREST JUNCTION BOX, CONCEALED IN WALLS AND FLOOR. SEE DETAIL NW-ESD-354.

1 ELECTRICAL POWER PLAN - AREA 4

0 4' 8' 16'

SCALE: 1/8"=1'-0"

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL POWER PLAN AREA 4

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

CHECKED BY: KW

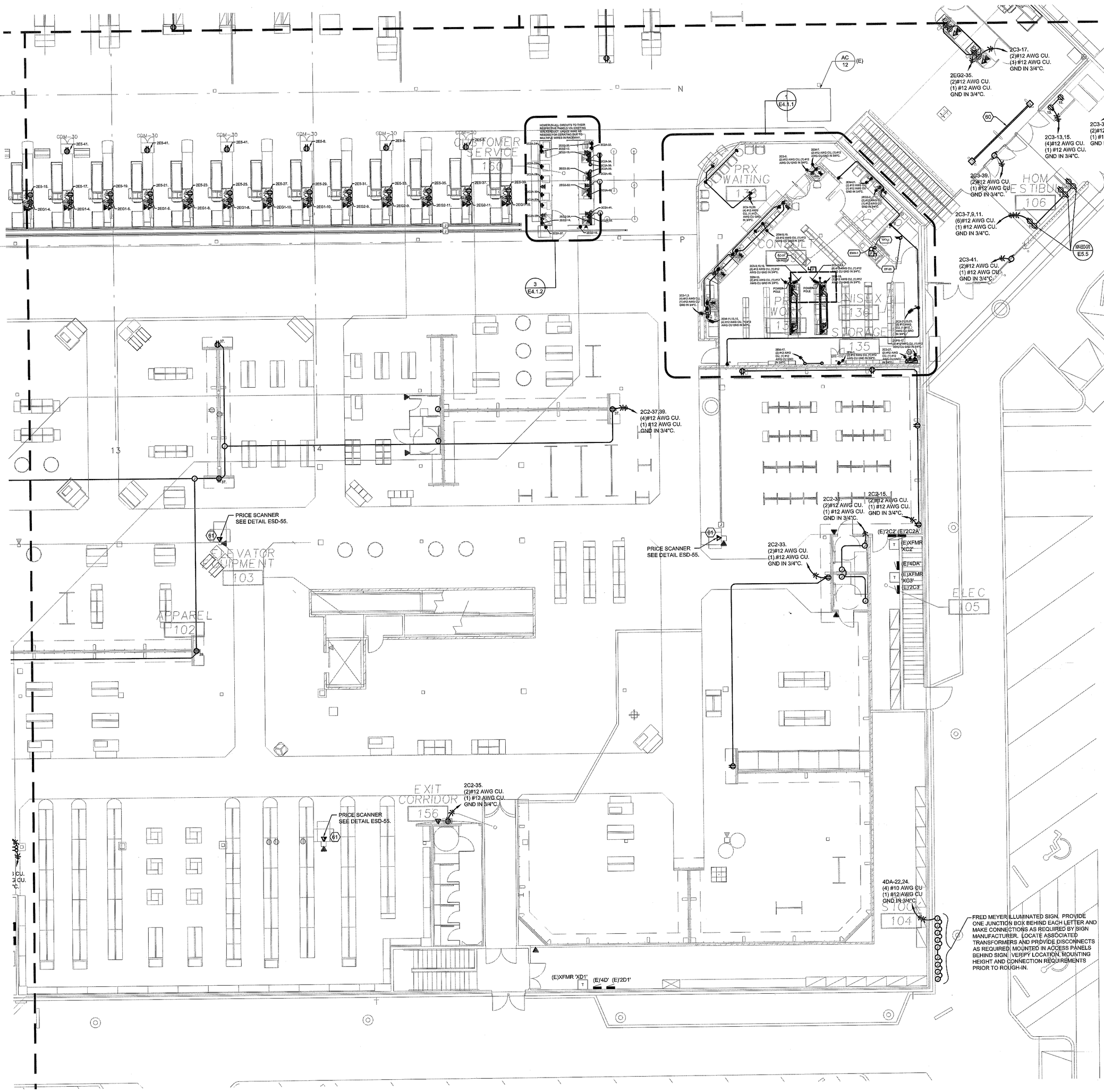
SHEET
E1.3.4

JOB NO. 215034600.00

KEY PLAN

PERMIT SET: DECEMBER 21, 2015

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BASED ON DRAWINGS PREPARED BY: DATE:
SURVEY BY: ASSOCIATES
FILE: 172_ELEC_E1.3.4 ELECTRICAL POWER PLAN – AREA 4 | EDIT: 12/15/2015 8:37 AM BY LORENAR | PLOT: 12/15/2015 1:53 PM BY LORENA RUIZ



1 ELECTRICAL POWER PLAN - AREA 5

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 6" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
3. PLUGMOLD 2000 WITH OUTLETS AT 12" O.C. MOUNT AT SPECIFIED HEIGHT.
4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 40" AND 76" A.F.F.. COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-362.
6. MOUNT J-BOX 2" ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE, TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPTATCLE FOR EXIT TONE. CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-16920, SWITCH & 10' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE, TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 6" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET IG C.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT, POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-62.
18. INTERMATIC FF36H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" A.F.F.
19. SEE DELI HOOD SEE DETAIL ESD-35 AND SHEET E5.2.
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH. CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54", SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN". COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING. CC TO BE MOUNTED IN FS TYPE BOX. PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF FS BOX. SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
23. SEAL ALL PENETRATIONS.
24. SECURITY SENSORMATIC EQUIPMENT, SEE DETAIL NW-ESD-400. PROVIDED BY FRED MEYER AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ISOLATED GROUND RECEPTACLE WITHIN CABINET, COORDINATE EXACT LOCATION WITH LOSS PREVENTION AND KROGER PROJECT MANAGER.
25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-353 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION, SEE DETAIL NW-ESD-400.
28. SAWCUT & PROVIDE UNDERFLOOR DUCT OR CONDUIT FEEDERS AS SHOWN. FILL & PATCH TO MATCH SURROUNDING FLOOR. VERIFY EXISTING CONDITIONS PRIOR TO SAWCUTTING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING CONDITIONS THAT WILL NEED TO BE REPAIRED DO TO SAWCUTTING.
29. JUNCTION BOX FOR DOCK DOOR SECURITY. SEE DETAIL NW-ESD-405.
30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
33. MOUNT RECEPTACLE IN TOE KICK OR BASEBOARD.
34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
35. DEVICES MOUNTED IN CASEWORK, COORDINATE LOCATION AND MOUNTING DETAILS WITH CASEWORK SUPPLIER.
36. AUTO DOOR POWER, ROUTE THROUGH DOOR MULLION TO DOOR CONTROL PANEL, AND MAKE UP ALL NECESSARY CONNECTIONS.
37. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS AND PROVIDE ANY REQUIRED EQUIPMENT TO COMPLETE INSTALLATION. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT SCHEDULE.
38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STORE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL.)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 66. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"W"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
44. 3/4" CONDUIT FROM GONDOLA MOUNTED DEVICE UP TO J-BOX ABOVE CEILING. PAINT TO MATCH WALLS. SEE GENERAL NOTE NO. 11 & 12.
45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN..
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
48. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT. SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
55. PROVIDE NEW COVERS FOR EXISTING JUNCTION BOX AND LEVEL TO FLOOR. SEE DETAIL NW-ESD-354.
56. AS-BUILTS ARE INCONCLUSIVE. CONTRACTOR TO VERIFY CIRCUIT AND UPDATE PANEL SCHEDULE AND FINAL AS-BUILTS.
57. ELECTRICAL CONTRACTOR TO PROVIDE AMSECO DOOR ANNUNCIATOR SYSTEM, MODEL EBP-401. THIS SHALL BE INSTALLED BY THE EC ACROSS THE ENTRY DOORWAY. PROVIDE 1/2" CONDUIT FROM OUTLET AT CEILING SPACE TO INFRA-RED SENSOR AT 2'0" AFF AT DOORWAY. RUN (2) 14/2 CONDUCTORS IN THE 1/2" CONDUIT. (1) 14/2 FROM THE POWER SUPPLY THAT PLUGS INTO THE OUTLET AT 10'6" AFF TO PROVIDE POWER FOR INFRA-RED SENSOR. (1) 14/2 CONDUCTORS FROM INFRA-RED SENSOR TO THE CHIME UNIT LOCATED AT 10'6"AFF NEXT TO THE OUTLET IF OPEN GRID CEILING OR AT 6" BELOW A CLOSED GRID CEILING.
58. PROVIDE MOMENTARY SWITCH (EATON M22-WS3) WITH (2) CONTACT BLOCKS (EATON M22-K10) OR SIMILAR FOR CONTROLLING THE ROLL SEAL DOORS.
59. CONTRACTOR TO CONNECT PANEL PROVIDED BY OTHERS. COORDINATE WITH KIOSK PROVIDER.
60. UNDER FLOOR DUCT SYSTEM JUNCTION BOX FOR (2) CELL UNDER FLOOR DUCT SYSTEM. PROVIDE TWO(2) 2" CONDUITS WITH PULL CORD FOR POWER TO PANELS NOTED AND TWO(2) 2" CONDUITS WITH PULLCORD FOR VOICE/DATA TO ACCESSIBLE CEILING SPACE, ROUTE DATA TO NEAREST JUNCTION BOX, CONCEALED IN WALLS AND FLOOR. SEE DETAIL NW-ESD-354.
61. NEW PRICE SCANNERS ARE POWER OVER ETHERNET.

KEY PLAN

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12/15/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL POWER PLAN AREA 5

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

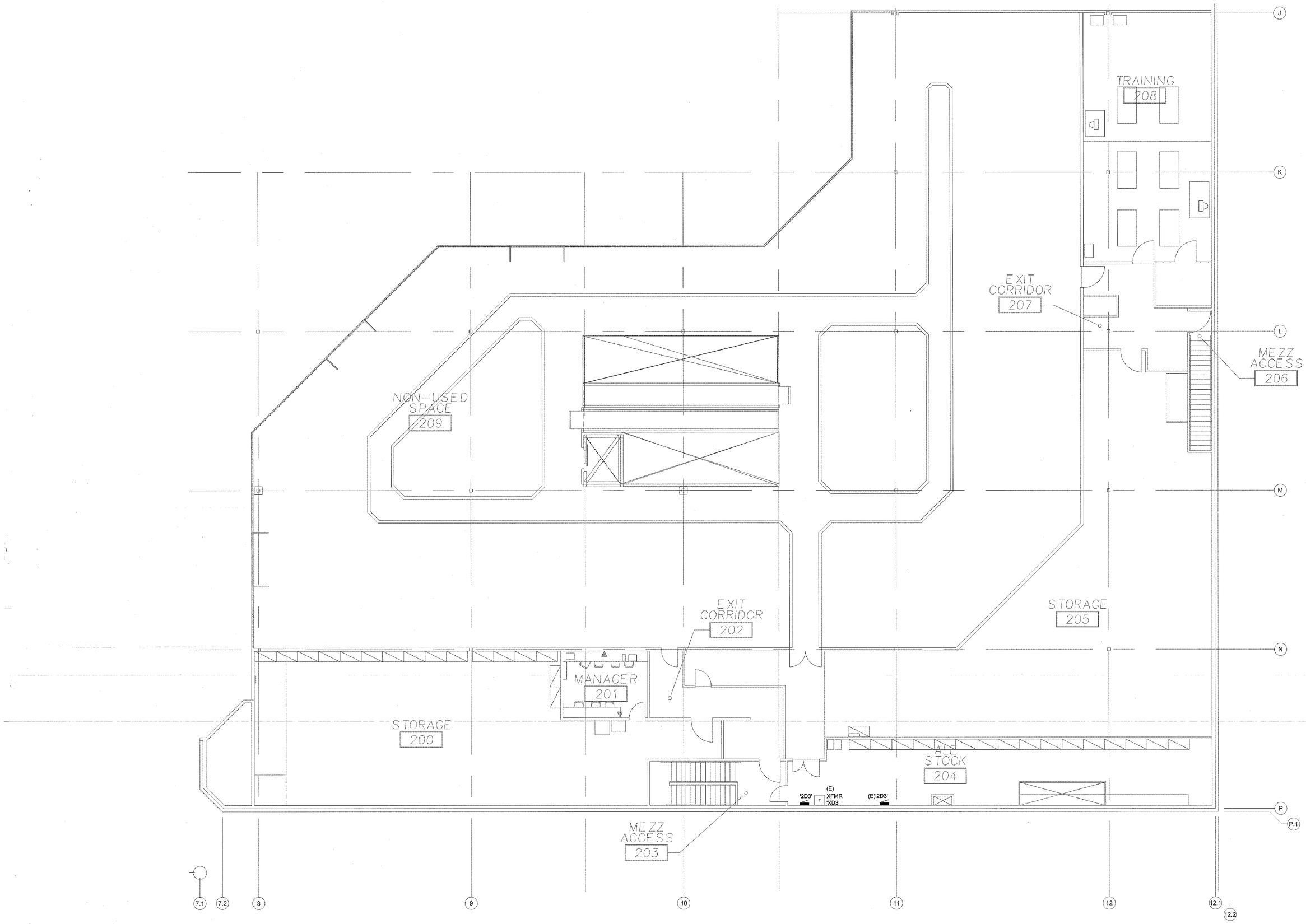
CHECKED BY: KW

SHEET
E1.3.5

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

THIS SHEET IS FOR PANEL REFERENCE ONLY.



1 ELECTRICAL POWER PLAN - MEZZANINE

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 6" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
3. PLUGMOLD 2000 WITH OUTLETS AT 12" O.C. MOUNT AT SPECIFIED HEIGHT.
4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 45" AND 76" A.F.F., COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-382.
6. MOUNT J-BOX 2" ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE, TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPATCLE FOR EXIT TONE. CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-18920, SWITCH & 10' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE, TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 6" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET IG C.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT, POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-62.
18. INTERMATIC FF36H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" A.F.F.
19. SEE DELI HOOD SEE DETAIL ESD-35 AND SHEET E5.2.
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH, CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54", SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN". COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING. CO TO BE MOUNTED IN FS TYPE BOX. PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF PS BOX, SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
23. SEAL ALL PENETRATIONS.
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25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-353 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION, SEE DETAIL NW-ESD-400.
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34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
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38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STORE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL.)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 66. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"x4"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
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45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN..
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
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49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT. SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
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61. NEW PRICE SCANNERS ARE POWER OVER ETHERNET.

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EXPIRES: 12/31/2016
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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL
POWER PLAN
MEZZANINE

DRAWN BY: CK

CHECKED BY: KW

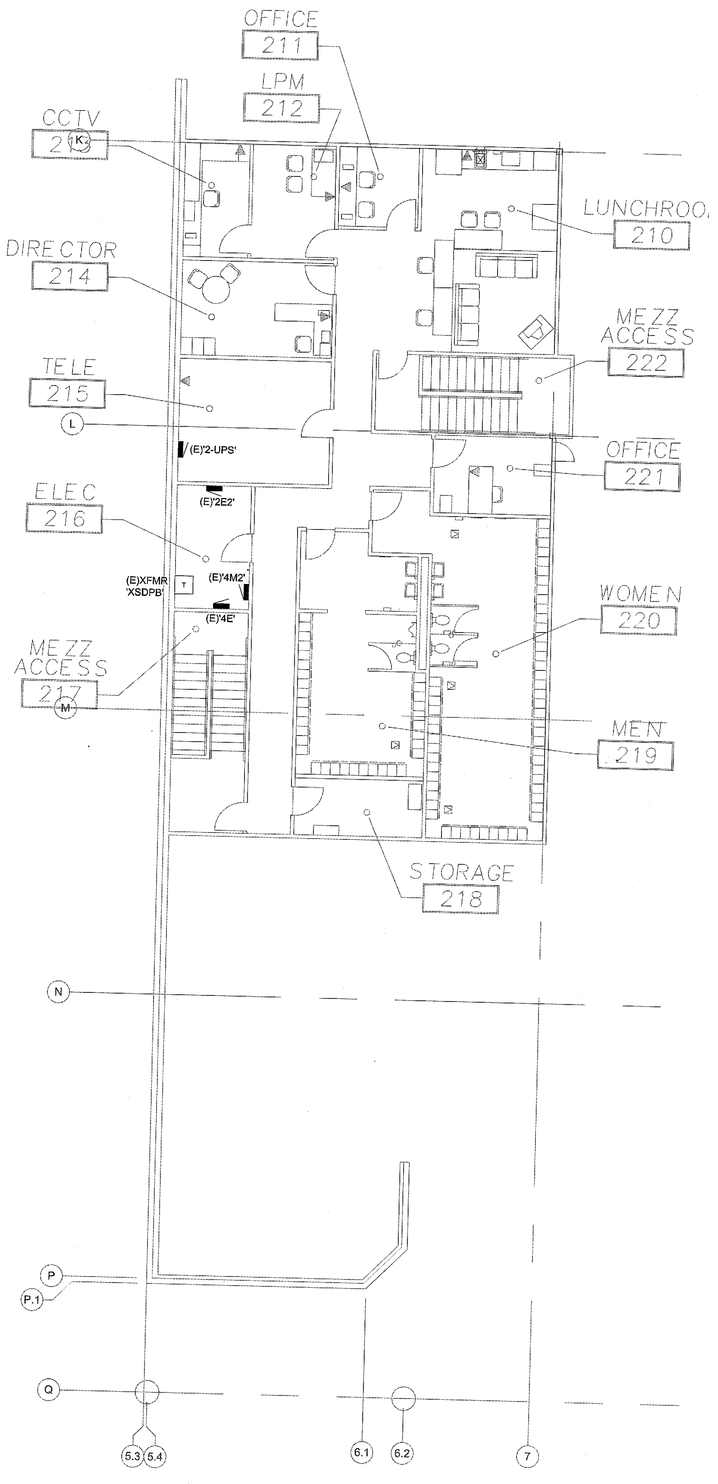
SHEET
E1.3.6

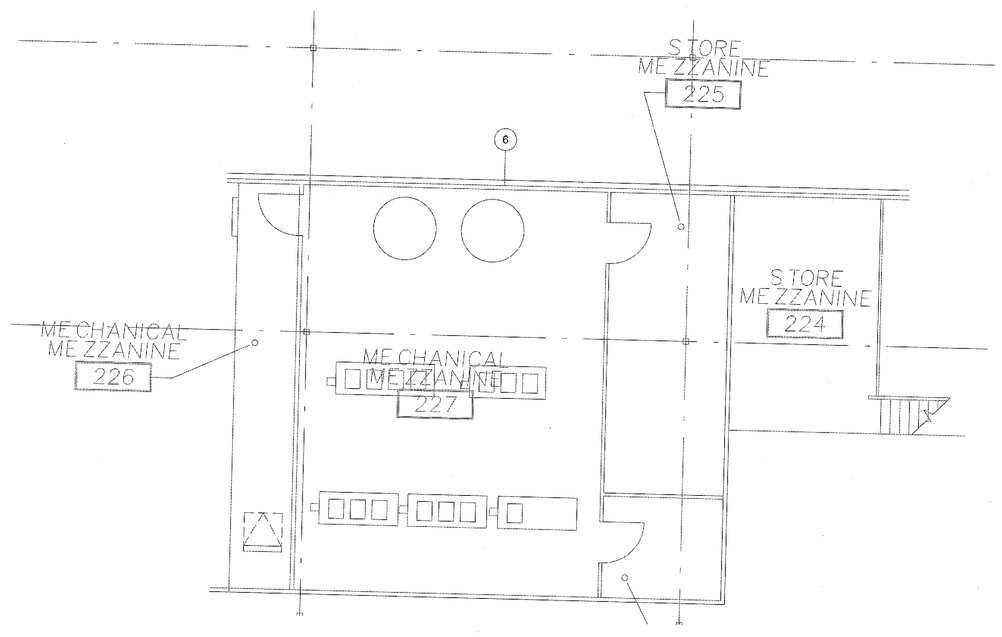
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BROUGHT FOR REFERENCE AND AS-BUILT ONLY. A SURVEY BY HUMAN & ASSOCIATES DATED 7/7/15 -
FILE: 172_ E1.3.6 ELECTRICAL POWER PLAN – MEZZANINE | EDIT: 12/15/2015 8:37 AM BY LORENAR | PLOT: 12/15/2015 1:54 PM BY LORENA RUIZ

THIS SHEET IS FOR PANEL REFERENCE ONLY.





1 ELECTRICAL POWER PLANS - MEZZANINE

0 4' 8' 16'

SCALE: 1/8"=1'-0"

KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 9" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
3. PLUGMOLD 2000 WITH OUTLETS AT 12" O.C. MOUNT AT SPECIFIED HEIGHT.
4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 45" AND 76" A.F.F., COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-362.
6. MOUNT J-BOX 2' ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE, TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPATCLE FOR EXIT TONE. CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-18920, SWITCH & 10' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE. TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 6" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET I.G.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT. POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-62.
18. INTERMATIC FF38H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" A.F.F.
19. SEE DELI HOOD SEE DETAIL ESD-35 AND SHEET E5.2.
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH, CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54". SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN", COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING, CO TO BE MOUNTED IN FS TYPE BOX. PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF FS BOX, SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
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REVISIONS:

REVISION	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL POWER PLANS MEZZANINE

DRAWN BY: CK

CHECKED BY: KW

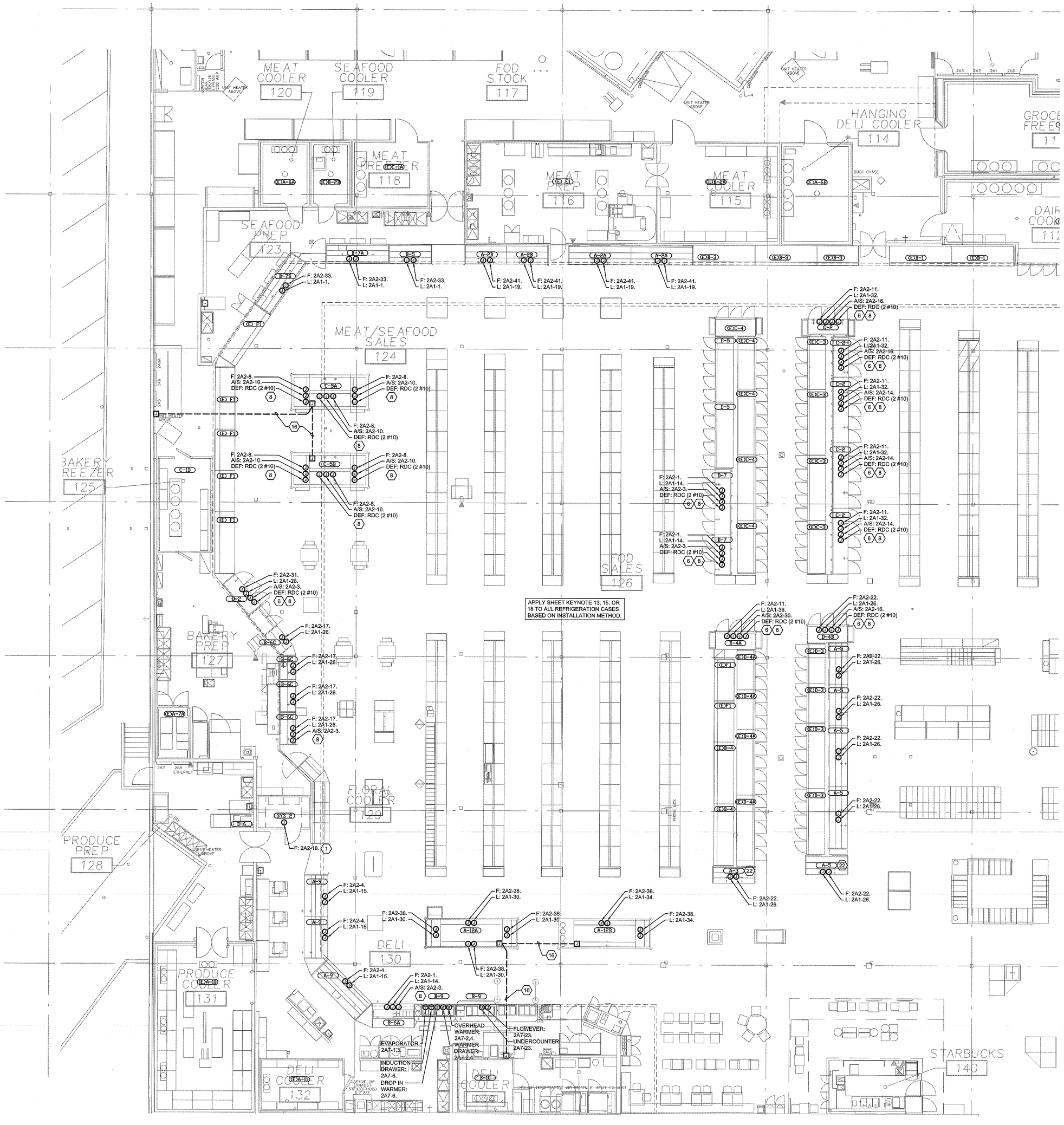
SHEET

E1.3.7

JOB NO. 2150346000.00

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE PURPOSES ONLY. SURVEY BY: HONAKER & ASSOCIATES, INC.

FILE: 172_E1.3.7 ELECTRICAL POWER PLAN – MEZZANINE | EDIT: 12/15/2015 8:37 AM BY LORENAR | PLOT: 12/15/2015 1:54 PM BY LORENA RUIZ



1 REFRIGERATION PLAN - AREA 1 & 4

0 8' 16' 32'

SCALE: 1/16"=1'-0"

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDICTIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO SCOPE OF WORK SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

F. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

G. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM 'MAIN AISLE'. COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF 'MAIN AISLE'.

H. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

I. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

J. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR BELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

K. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL WORK REQUIREMENTS.

L. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

M. ELECTRICAL, ENERGY MANAGEMENT SYSTEM (EMS), AND REFRIGERATION CONTRACTORS SHALL COORDINATE WITH RELATED TRADES, KROGER PROJECT MANAGER, REFRIGERATION ENERGY MANAGEMENT, AND HVAC PLANS. COORDINATE ALL RELATED WORK AND COMPLETE WORK AS REQUIRED TO ASSURE ALL ASPECTS OF DESIGN INTENT HAVE BEEN MET.

N. COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR, GENERAL CONTRACTOR, KROGER PROJECT MANAGER, AND THE KROGER PHASING PLAN/SCHEDULE FOR THIS PROJECT.

O. REFER TO E1.1 SERIES DRAWINGS FOR LIGHTING REQUIREMENTS RELATING TO WALK-INS.

P. REFER TO EM SERIES DRAWINGS FOR REMOTE DEFROST PANEL CONNECTIONS.

Q. COORDINATE ALL ELECTRICAL REFRIGERATION WORK WITH REFRIGERATION PLANS. ELECTRICAL CONTRACTOR TO COMPLETE ALL REQUIRED ELECTRICAL REFRIGERATION WORK AS SHOWN ON ELECTRICAL REFRIGERATION DRAWINGS, COORDINATE ALL REFRIGERATION CONTROLS WITH ENERGY MANAGEMENT SYSTEM CONTROLS CONTRACTOR. REFER TO EM SERIES DRAWINGS.

R. ALL WORK SHOWN ON THE ELECTRICAL REFRIGERATION PLANS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS INDICATED OTHERWISE. ELECTRICAL WORK UNDER SCOPE OF PROJECT BASE BID SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR FOR GENERAL CONTRACTOR.

S. ALL CONDUIT REQUIRED FOR CONTROLS BY ELECTRICAL CONTRACTOR. COORDINATE WITH ENERGY MANAGEMENT SYSTEMS CONTRACTOR.

T. ELECTRICAL MATERIAL AND INSTALLATION FURNISHED BY ELECTRICAL CONTRACTOR AND SHALL BE IN ACCORDANCE WITH REFRIGERATION INSTALLATION SPECIFICATIONS OF THIS PROJECT.

U. CONTROL AND WIRING FROM CASES, COOLERS, AND FREEZERS TO WIREWAY, AND WIRE FROM WIREWAY TO COMPRESSOR RACK, AND FINAL CONNECTIONS PROVIDED BY ENERGY MANAGEMENT SYSTEMS CONTROLS CONTRACTOR. EXPECT WHERE INDICATED IN SHEET KEYNOTES.

V. CONDUIT AND WIRE FROM JUNCTION BOX IN COOLERS AND FREEZERS TO FINAL DESTINATION (EVAPORATORS, HEATERS, ETC.) PROVIDED BY ELECTRICAL CONTRACTOR.

W. FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR INCLUDES BUT ARE NOT LIMITED TO: REFRIGERATED CASE LIGHTS, FAN MOTORS, VENTILATION KIT FAN MOTORS, DOOR DEFROST HEATERS, AND DRAIN PAN HEATERS.

X. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AT EACH REFRIGERATION CASE STUB-OUT OR STUB-UP. VERIFY LOCATIONS WITH REFRIGERATION CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR OR ENERGY MANAGEMENT SYSTEM CONTROLS CONTRACTOR.

Y. FINAL CONNECTIONS FOR COMPRESSOR PROVIDED BY ELECTRICAL CONTRACTOR. FINAL CONNECTIONS FOR CONTROL WIRING PROVIDED BY ENERGY MANAGEMENT SYSTEM CONTROLS CONTRACTOR.

Z. ALL CONDUIT FOR CONTROLS BY ELECTRICAL CONTRACTOR SHOWN ON EM SERIES DRAWINGS.

AA. ELECTRICAL CONTRACTOR TO PROVIDE WEATHERPROOF BOXES IN-USE COVERS AND FITTINGS IN COOLERS, FREEZERS, AND MEAT ROOMS AND GROUNDED SEPARATE GROUNDING CONDUCTOR.

AB. MOUNTE OVERHEAD CONDUIT IN EXPOSED CEILING ABOVE BOTTOM OF JOISTS.

AC. FOR CASES WITH MOTION SENSOR CONTROL, REFER TO DETAIL NW-EISD1 FOR INSTALLATION GUIDELINES.

AD. SUPPORT CONDUIT AND ELECTRICAL DEVISED FROM BUILDING STRUCTURE. DO NOT PENETRATE ROOF DECK.

AE. CONDUIT, WIRE, AND FINAL CONNECTIONS FOR CONDENSER UNIT POWER PROVIDED BY ELECTRICAL CONTRACTOR. CONTROL WIRING AND FINAL CONNECTIONS PROVIDED BY ENERGY MANAGEMENT SYSTEM CONTROLS CONTRACTOR.

AF. REFURBISH EXISTING CASES TO REMAIN OR RELOCATE PER SPECIFICATION AND FIXTURE PLAN.

SHEET KEYNOTES

1. ELECTRICAL CONTRACTOR SHALL ROUTE CIRCUIT TO WALK-IN COILS. RELAY AND CONTROLS CONNECTIONS BY ENERGY MANAGEMENT SYSTEM CONTRACTOR AS SHOWN, SEE DETAILS ON EM SERIES DRAWINGS.
2. ROUTE CONDUIT THROUGH CASE TO JUNCTION BOX ON WALL AND UP WALL TO ABOVE ACCESSIBLE CEILING. FISH IN WALL TO COMPLETELY CONCEAL HOME RUN.
3. ROUTE IN FLOOR WITH REFRIGERATION LINES.
4. ROUTE LIGHTING CIRCUIT THROUGH ENERGY MANAGEMENT SYSTEM.
5. ROOF TOP CONDENSER. SHOWN FOR REFERENCE. REFER TO POWER PLAN FOR CIRCUITRY.
6. CASES WITH LED LIGHTS. SEE DETAIL E1SD1. LIGHTS ARE OWNER FURNISHED, CONTRACTOR INSTALLED WITH MOTION SENSOR.
7. INTERMATIC (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINES. ICE MACHINES LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" AFF.
8. ROUTE ALL ANTI-SWEAT (A/S) CIRCUITS THROUGH THE ANTI-SWEAT PANEL AND ENERGY MANAGEMENT SYSTEM.
9. PROVIDE 2-14CU IN 3/4"C FROM SOLENOID OR EPR VALVE FOR TEMPERATURE OR DEFROST CONTROL ROUTE TO INDICATED REFRIGERATION CONTROL PANEL.
10. NOT USED.
11. ROUTE CONDUIT THROUGH CASE TO J-BOX ON WALL AND UP WALL TO ABOVE ACCESSIBLE CEILING. FISH IN WALL TO COMPLETELY CONCEAL HOME RUN.
12. OUTLET FOR CONDENSATE DRAIN HEAT TAPE CONNECTION FED FROM A 20A GFI BREAKER. COORDINATE LOCATION AND HEIGHT WITH REFRIGERATION CONTRACTOR, DEVICE SHALL BE CONTINUOUS OPERATION. PROVIDE WEATHERPROOF WHILE IN USE COVER.
13. PROVIDE 10 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO WALL JUNCTION BOX WITH CONDUCTORS RUNNING CONTINUOUSLY THRU JUNCTION BOX AND FLEXIBLE CONDUIT FOR CONNECTION TO CASES. TYPICAL AT ALL WALL MOUNTED REFRIGERATION CASES.
14. NOT USED.
15. PROVIDE 6 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES CONNECTED TO FLOOR JUNCTION BOX WITH CONDUCTORS RUNNING CONTINUOUSLY THRU JUNCTION BOX AND FLEXIBLE CONDUIT FOR CONNECTION TO CASES. TYPICAL AT ALL FLOOR MOUNTED REFRIGERATION CASES.
16. ROUTE UNDER FLOOR TO INSTALL CASE WIRING AS SHOWN. COORDINATE AND RUN WITH REFRIGERATION LINES.
17. SEE ONE-LINE DIAGRAM.
18. PROVIDE 6 FEET OF SEAL TIGHT FLEXIBLE CONDUIT FOR REFRIGERATION CASES CONNECTED TO PLASTIC FLOOR MOUNTED JUNCTION BOX AND LID. ELECTRICAL CONDUCTORS TO RUN CONTINUOUSLY THRU JUNCTION BOX AND SEAL TIGHT CONDUIT FOR CONNECTION TO CASES. TYPICAL AT ALL FLOOR MOUNTED REFRIGERATION CASES WITH PLASTIC BOX AND LID.
19. NOT USED.
20. NOT USED.
21. MOUNT RECEPTACLE ON WALL BELOW FREEZER COIL FOR CONDENSATE DRAIN LINE HEAT TAPE.
22. COORDINATE EXACT POWER REQUIREMENTS OF RELOCATED EQUIPMENT WITH MANUFACTURER'S SPECIFICATIONS AND KROGER PROJECT MANAGER PRIOR TO ROUGH-IN.

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DAVID N. CHRISTIE — 35089 — REGISTERED PROFESSIONAL ENGINEER — 12/15/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
REFRIGERATION PLAN - OVERALL

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

CHECKED BY: KW

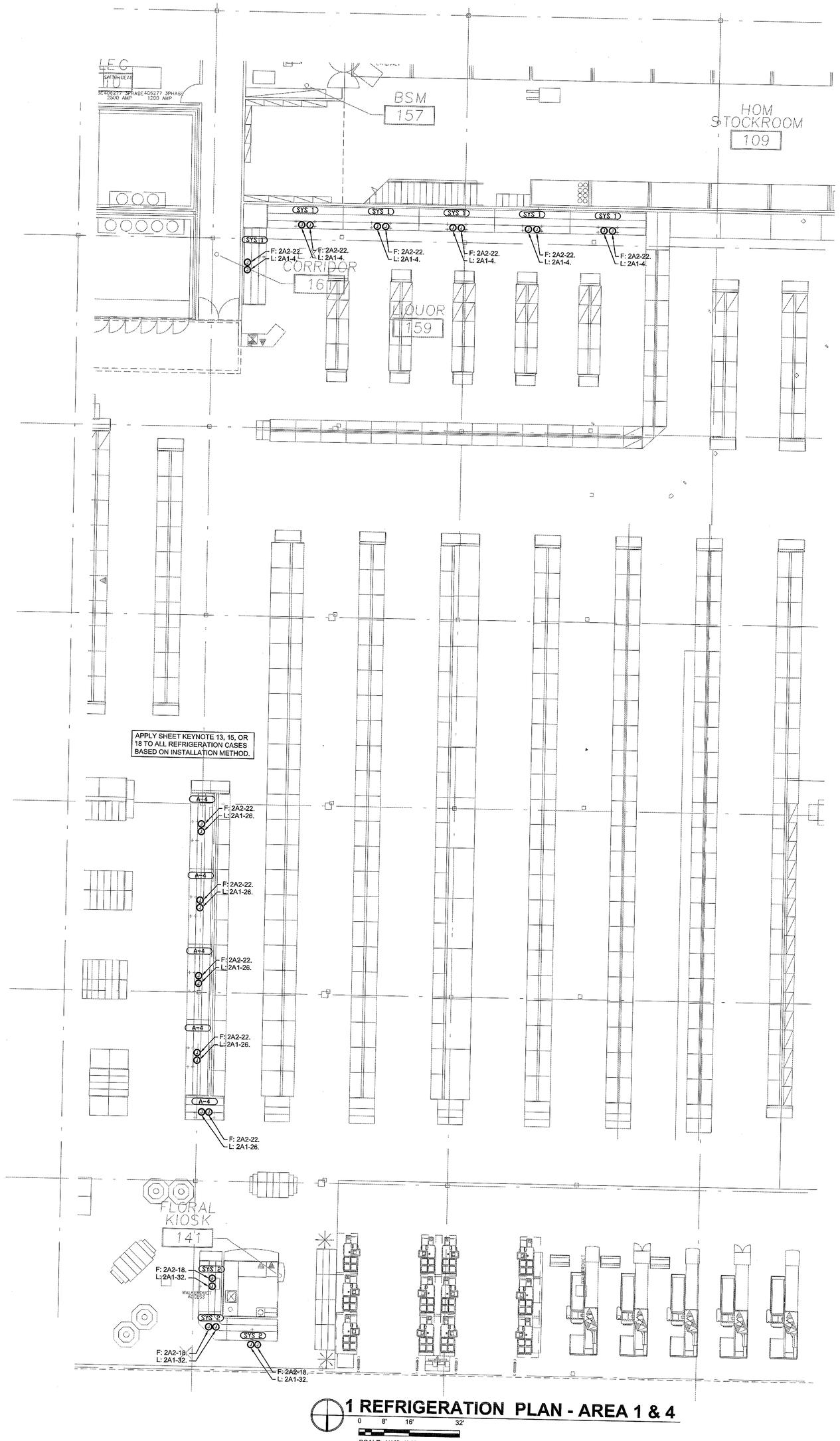
SHEET
E1.4.1

JOB NO. 215034600.00

KEY PLAN

PERMIT SET: DECEMBER 21, 2015

FILE: 172_E1.3.8 - REFRIGERATION PLAN.DWG - E1.4.1 REFRIGERATION PLAN - AREA 1 & 4 | EDIT: 12/15/2015 1:20 PM BY HUONGN |
PLOT: 12/15/2015 1:55 PM BY LORENA RUIZ



1 REFRIGERATION PLAN - AREA 1 & 4

0 8' 16' 32'

SCALE: 1/16"=1'-0"

FILE: 172_E1.3.8 – REFRIGERATION PLAN.DWG – E1.4.2 REFRIGERATION PLAN – AREA 1 & 4 | EDIT: 12/15/2015 1:20 PM BY HUONGN |
PLOT: 12/15/2015 1:55 PM BY LORENA RUIZ

GENERAL SHEET NOTES

A. ALL KEYNOTES LISTED MAY NOT APPLY TO EVERY SHEET.

B. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDICTIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO SCOPE OF WORK SHOWN ON THESE PLANS.

C. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED IN PLANS AND PANEL SCHEDULES.

D. CONTRACTOR TO MAINTAIN POWER TO ALL CIRCUITS AND DEVICES THAT ARE TO REMAIN IF POWER IS INTERRUPED DURING THE COMPLETION OF WORK INDICATED ON THESE DRAWINGS.

E. CONTRACTOR SHALL PROVIDE NEW, TYPED UPDATED PANEL DIRECTORIES IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED AS 'SPARE BREAKER'.

F. COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS, AND DEVICES WITH KROGER PROJECT MANAGER AND FRED MEYER.

G. ELECTRICAL DROPS TO BE LOCATED AT CENTER OF GONDOLA RUN OR AT END OF GONDOLA AWAY FROM "MAIN AISLE". COORDINATE WITH KROGER PROJECT MANAGER FOR LOCATION OF "MAIN AISLE".

H. NO SCREWS ARE TO BE RAN INTO ROOF DECK UNDER ANY CIRCUMSTANCES.

I. CONTRACTOR TO PROVIDE TEMPORARY POWER AND TEMPORARY LIGHTING FOR DEMOLISHED OR RELOCATED AREAS AS REQUIRED BY PHASING IN BASED CONTRACT. NO ADDITIONAL COST WILL BE APPROVED.

J. ALL CONDUIT THAT IS LOWER THAN CEILING HEIGHTS OR BELOW MOUNTED FIXTURE HEIGHT, OR LOWER THAN 18-FEET A.F.F. SHALL BE RAISED AND INCLUDED IN BASE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS STATED IN GENERAL SHEET NOTE B.

K. COORDINATE ALL CONTROLLED CIRCUITS AS INDICATED IN DOCUMENTS AND PANEL SCHEDULES WITH ENERGY MANAGEMENT CONTRACTOR. REFER TO EM SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL WORK REQUIREMENTS.

L. CONTRACTOR TO UPSIZE CONDUCTOR AND CONDUIT SIZE BASED ON ACTUAL ROUTE TO COMPLY WITH LESS THAN 3% VOLTAGE DROP REQUIREMENT.

M. ELECTRICAL, ENERGY MANAGEMENT SYSTEM (EMS), AND REFRIGERATION CONTRACTORS SHALL COORDINATE WITH RELATED TRADES, KROGER PROJECT MANAGER, REFRIGERATION ENERGY MANAGEMENT, AND HVAC PLANS. COORDINATE ALL RELATED WORK AND COMPLETE WORK AS REQUIRED TO ASSURE ALL ASPECTS OF DESIGN INTENT HAVE BEEN MET.

N. COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR, GENERAL CONTRACTOR, KROGER PROJECT MANAGER, AND THE KROGER PHASING PLAN/SCHEDULE FOR THIS PROJECT.

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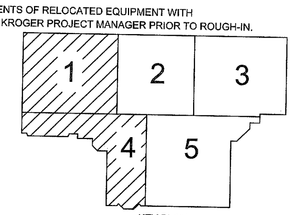

KEY PLAN

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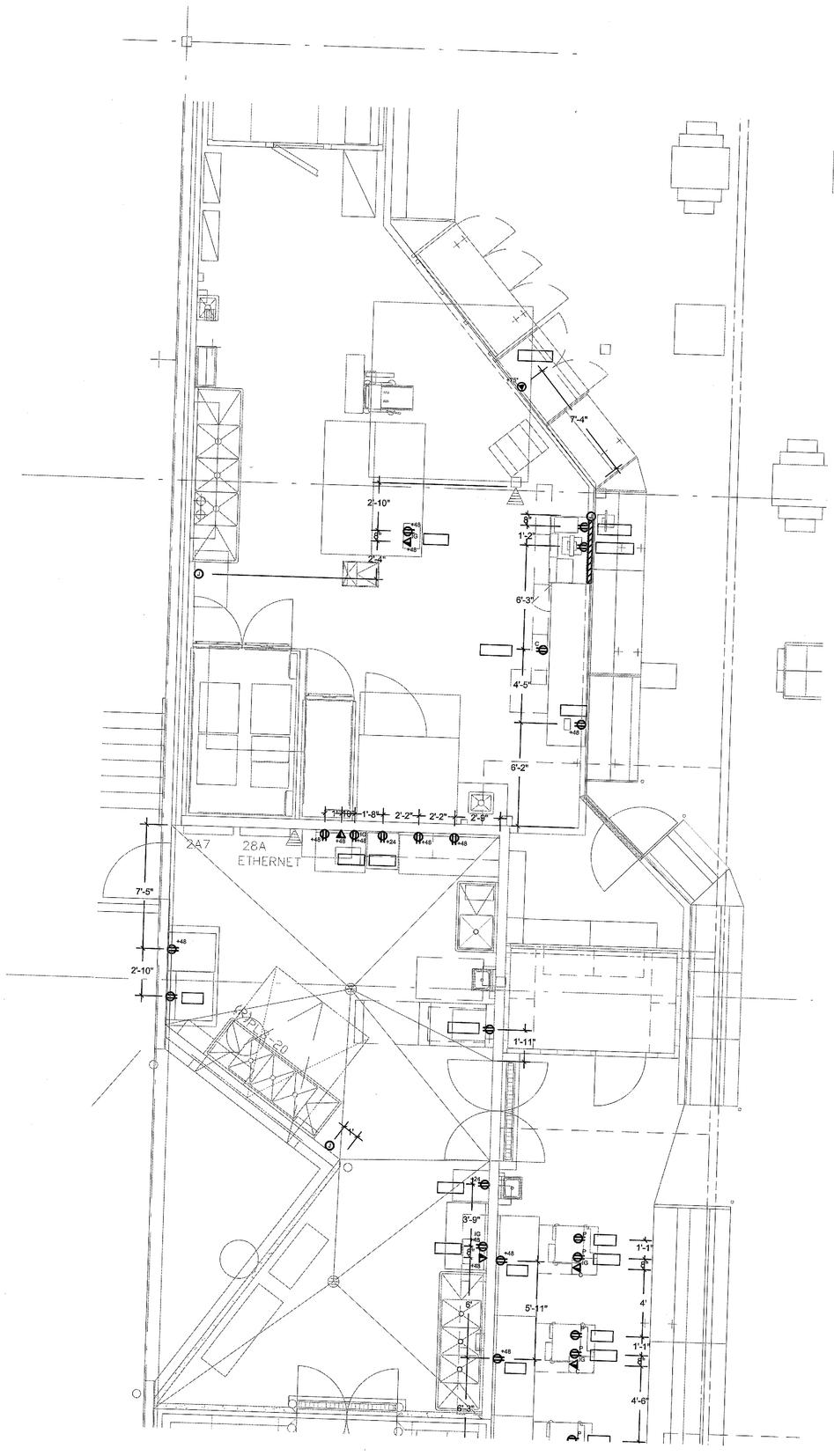
SHEET TITLE:
REFRIGERATION PLAN - OVERALL

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

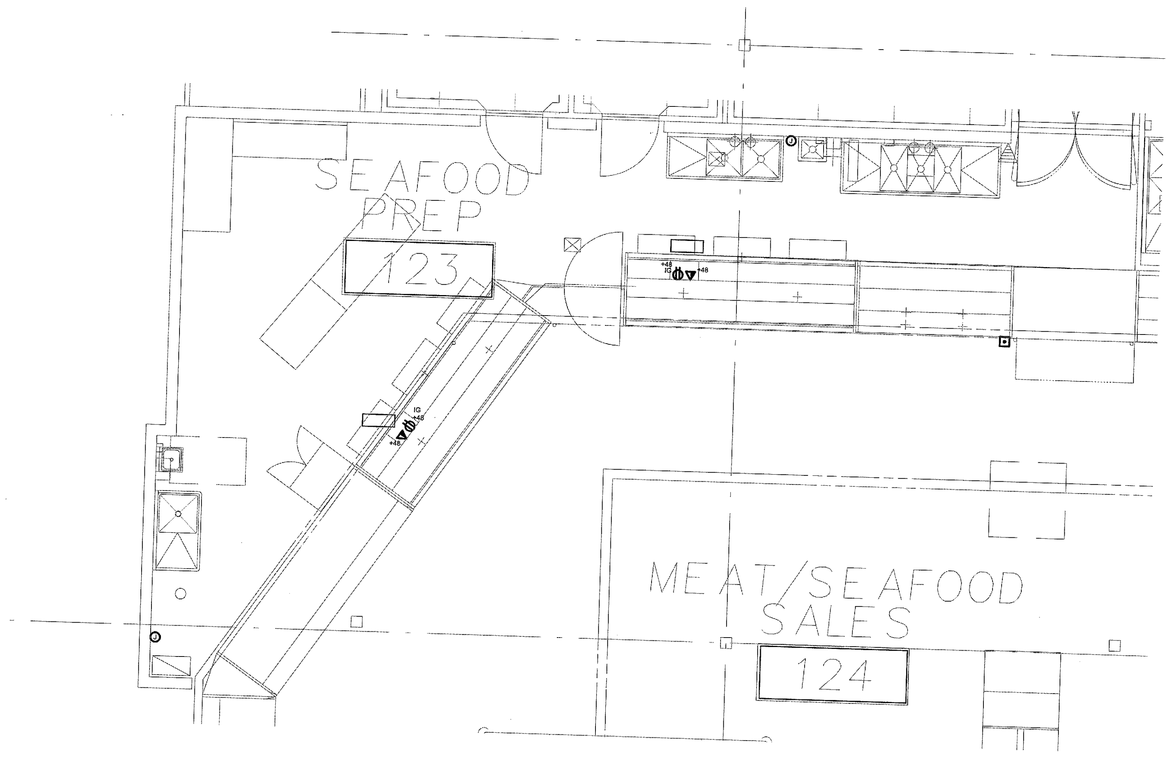
DRAWN BY: CK
CHECKED BY: KW
SHEET
E1.4.2

JOB NO. 215034600.00



1 ELECTRICAL ROUGH-IN PLAN - BAKERY & PRODUCE PREP

SCALE: 1/4"=1'-0"



2 ELECTRICAL ROUGH-IN PLAN - SEAFOOD PREP

SCALE: 1/4"=1'-0"

BAKERY EQUIPMENT

QTY	ITEM NUMBER	DESCRIPTION	REMARKS
1	B100	AIR BRUSH W/COMPRESSOR	BAKERY CRAFTS MODEL AB-C3
1	B99CDB	CAKE IMAGING MACHINE	BAKERY CRAFTS CCF-1000
1	E42-17	17" LCD MONITOR	HP (SARCOM) LA1751G
1	B44T	SERVICE SCALE/UPC PRINTER(TOLEDO)	METTLER TOLEDO UCST-530E
1	B299-4	CAKE MENU BOARD (4 PANEL)	GSP
1	T4S	4' OPEN TABLE	
1	BU5CS	4'-9" UPRIGHT DONUT/PASTRY CASE W/DOORS	MARCO C3B48157-A

ELECTRICAL ROUGH-IN

VOLTS	PHASE	AMP	W/KW	HT AFF	REMARKS	ITEM NUMBER
120	1	2.4	288W	+48"	NEMA 5-20P	B100
120	1		1027W	+48"	NEMA 5-20P	B99CDB
120	1		37W	+18"	NEMA 5-20P	E42-17
120	1	.75		+48"	NEMA 5-20P, PROVIDE 3/4" CONDUIT TO ECR RM.	B44T
120	1		68W			B299-4
120	1		800W		PLUGMOLD MOUNTED ABOVE COUNTER	T4S
120	1	1.31	98W		MOUNT J.B. 6'-3" AB.FL.	BU5CS

PRODUCE

QTY	ITEM NUMBER	DESCRIPTION	REMARKS
1	P62	STERILOX	STERILOX FOOD SAFETY MODEL 2300
2	P31T	SERVICE SCALE/UPC PRINTER (TOLEDO)	METTLER TOLEDO UCST-530E
2	P21E	ENERGY EFFICIENT 3-ROLL WRAPPER	HEAT SEAL 107-ES
1	P70TR	REMOTE ICE FLAKER WITH CART TRANSPORT SYSTEM (1000LB)	SCOTSMAN & FOLLETT (CINCINNATI ICE) F1222L-1

ELECTRICAL ROUGH-IN

VOLTS	PHASE	AMP	W/KW	HT AFF	REMARKS	ITEM NUMBER
120	1	.15		+18"	NEMA 5-20P	P62
120	1	0.75		+48"	NEMA 5-20P, PROVIDE A 3/4" CONDUIT TO ECR ROOM	P21E
120	1	19	2KW	+24"	NEMA 5-20P	P21E
120	1	5.8		+18"	NEMA 5-20P	P70TR

MEAT/SEAFOOD

QTY	ITEM NUMBER	DESCRIPTION	REMARKS
1	S24T	SERVICE SCALE/UPC PRINTER (TOLEDO)	METTLER TOLEDO UCST-530E
1	M11T	SERVICE SCALE/UPC PRINTER (TOLEDO)	METTLER TOLEDO UCST-530E

ELECTRICAL ROUGH-IN

VOLTS	PHASE	AMP	W/KW	HT AFF	REMARKS	ITEM NUMBER
120	1	0.75		+48"	NEMA 5-20P, PROVIDE A 3/4" CONDUIT TO ECR ROOM	D23T
120	1	0.75		+48"	NEMA 5-20P, PROVIDE A 3/4" CONDUIT TO ECR ROOM	M11T

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DAVID A. CHELAN — STATE OF WASHINGTON — 19309 — REGISTERED PROFESSIONAL ENGINEER
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SHEET TITLE:
ELECTRICAL ROUGH-IN PLANS

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DEC 22 2015
CITY OF KENT
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DRAWN BY: CK

CHECKED BY: KW

SHEET

E1.5.1

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FILE: 172_E1.5.1 ELECTRICAL ROUGH-IN PLANS.DWG – E1.5.1 ELECTRICAL ROUGH-IN PLANS | EDIT: 12/9/2015 9:44 AM BY LORENAR |
PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ

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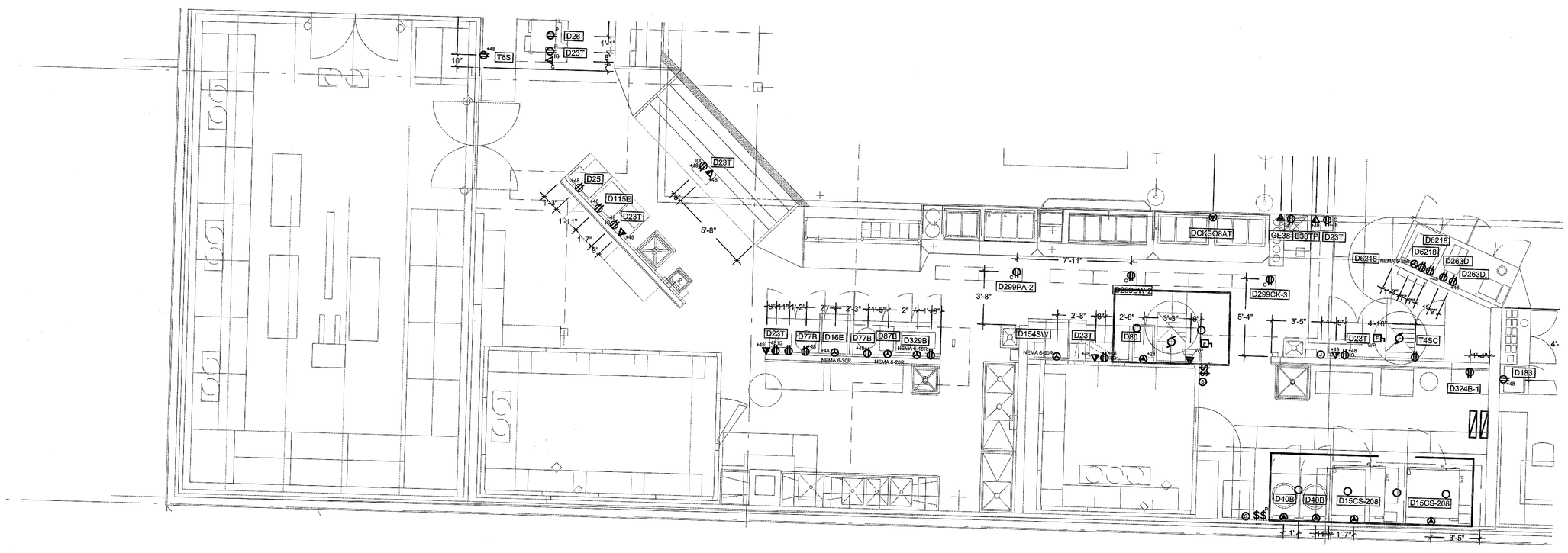

1 ELECTRICAL ROUGH-IN PLAN - SERVICE DELI & PRODUCE

0 2' 4' 8'

SCALE: 1/4"=1'-0"

DELI				ELECTRICAL ROUGH-IN						
QTY	ITEM NUMBER	DESCRIPTION	REMARKS	VOLTS	PHASE	AMP	W/KW	HT AFF	REMARKS	ITEM NUMBER
1	D6218C	ICE MACHINE	SCOTSMAN & CORNELIUS (CINCINNATI ICE)N0622A-1 & ENDURO 200	120	1		2198W	+18"	NEMA 5-30P	D6218C
1	D6218C	CARBONATED BEVERAGE DISPENSER	SCOTSMAN & CORNELIUS (CINCINNATI ICE)N0622A-1 & ENDURO 200	120	1		420W	+18"	NEMA 5-20P	D6218C
1	D6218C	WATER BOOSTER	SCOTSMAN & CORNELIUS (CINCINNATI ICE)N0622A-1 & ENDURO 200	120	1		240W	+18"	NEMA 5-20P	D6218C
1	E38TP	THERMAL PRINTER	IBM 4610-2CR	120	1		375W	+18"	NEMA 5-20P	E38TP
1	GE156	PIN PAD & CREDIT CARD READER	VERIFORN MX870	120	1		250W		NEMA 5-20P	GE156
1	D299SW-3	SANDWICH MENU BOARD	GSP	120	1		51W	CEILING	NEMA 5-20P	D299SW-2
1	D154SW	SINGLE STACK CONVEYOR TOASTER OVEN FOR SANDWICH ONLY	TURBOCHEF 1618	208	1	37		+18"	NEMA 6-50P	D154SW
1	D299PA-2	PAN ASIAN MENU BOARD	GSP	120	1		34W	CEILING	NEMA 5-20P	D299PA-2
2	D115E	WRAPPER	HEAL SEAL 625A ES	120	1	17	2000W	+48"	NEMA 5-20P	D115E
1	T4SC	TABLE W/ REFRIGERATED BASE	TRUE TWT-48	120	1		989W	+18"	NEMA 5-20P	T4SC
1	T3D	MANUAL SLICER	BIZERBA SE 12 D SERIES	120	1		740W	+48"	NEMA 5-20P	D25
1	D77B	TABLE		120	1		800W	+48"	NEMA 5-20P	T3D
1	D299HF-3	RICE COOKER	PANASONIC SR-42HZP	120	1		1150W	+48"	NEMA 5-20P	D77B
1	DCKSC8AT	CHICKEN MENU BOARD	GSP	120	1		51W	CEILING	NEMA 5-20P	D299HF-2
1	D80	8FT SERVICE HOT CHICKEN CASE	AMTEKCO	208	1	31.45			DIRECT CONNECTION	DCKSC8AT
1	D23T	DEEP FRYER W/SS SIDE PANELS	GARLAND COM.	208	3		16KW	+24"	MOUNT J.B. 2'-0" AB. FL., SHUNT TRIP CIRCUIT BREAKER REQUIRED	D80
1	D87B	SERVICE SCALE/UPC PRINTER (TOLEDO)	METTLER TOLEDO UCST-630E	120	1	0.75		+48"	NEMA 5-20P, PROVIDE A 3/4" CONDUIT TO ECR ROOM	D23T
1	D16E	PASTA COOKER	GLOBE GPC16	208	1	15.8			NEMA 6-20P	D87B
1	D77B	SANDWICH TOASTER OVEN	TURBOCHEF ENCORE	208	1		5.99KW	+48"	NEMA 6-30P	D16E
1	T6SC	RICE COOKER	PANASONIC SR-42HZP	120	1		1150W	+48"	NEMA 5-20P	D77B
3	D26	TABLE W/ REFRIGERATED BASE	TRUE TWT-72	120	1	8.5		+18"	NEMA 5-15P	T6SC
5	D23T	MANUAL SLICER	BIZERBA SE 12 SERIES	120	1	3.5	420W	+48"	NEMA 5-20P	D26
1	GE38	SERVICE SCALE/UPC PRINTER (TOLEDO)	TOLEDO	120	1	0.75		+18"	NEMA 5-20P	D23T
1	D324B-1	POS TERMINAL	IBM 2362	120	1		500	+18"	NEMA 5-20P	GE38
1	D183	B.I.B. KIT FOR 8 HEAD CARB BEVERAGE	MCCANS 2WX4H	120	1	6.5		+18"	NEMA 5-20P	D324B-1
		SALES AREA MICROWAVE	CINCINNATI ICE MACHINE R21JV	120	1	14		+48"	NEMA 5-20P	D183

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS FOR GENERAL REFERENCE ONLY AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES. SURVEY BY: KENNEY & ASSOCIATES - 11" X 17" SHEET

FILE: 172_E1.5.2 ELECTRICAL ROUGH-IN PLANS.DWG – E1.5.2 ELECTRICAL ROUGH-IN PLANS | EDIT: 12/9/2015 9:44 AM BY LORENAR |
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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL
ROUGH-IN PLANS

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

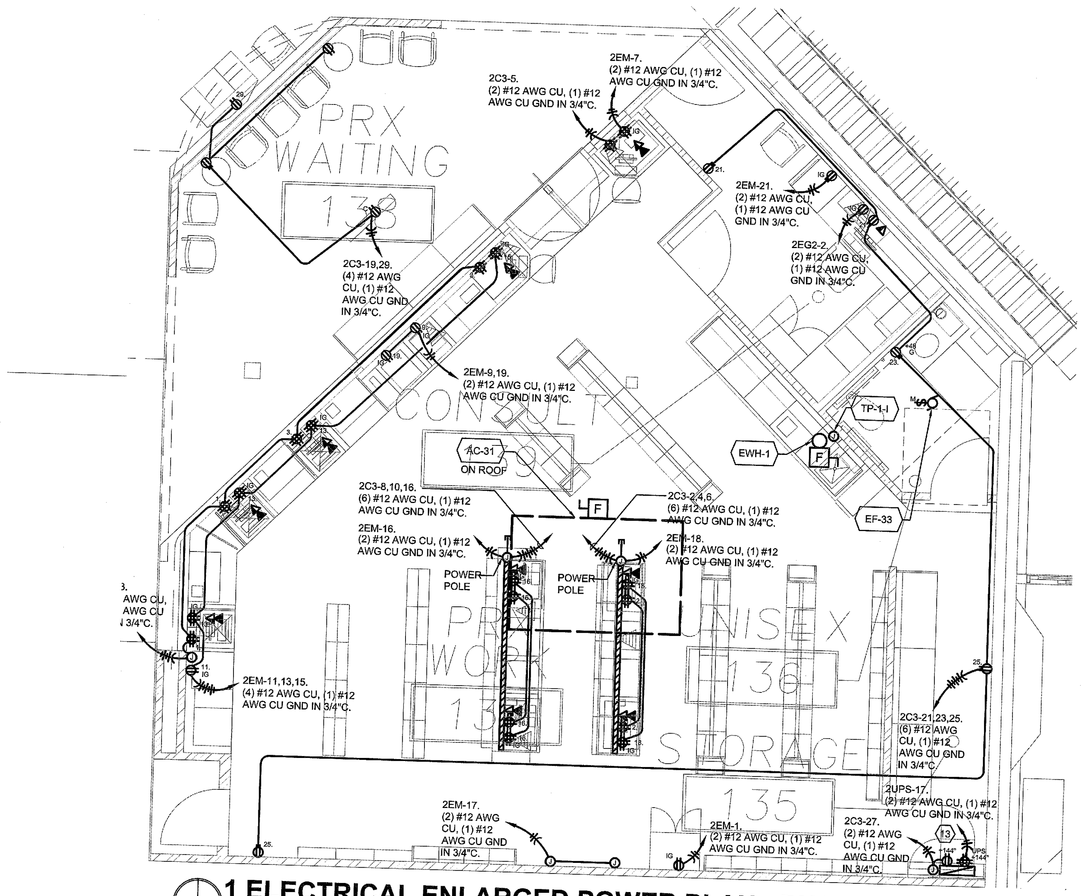
DRAWN BY: CK

CHECKED BY: KW

SHEET

E1.5.2

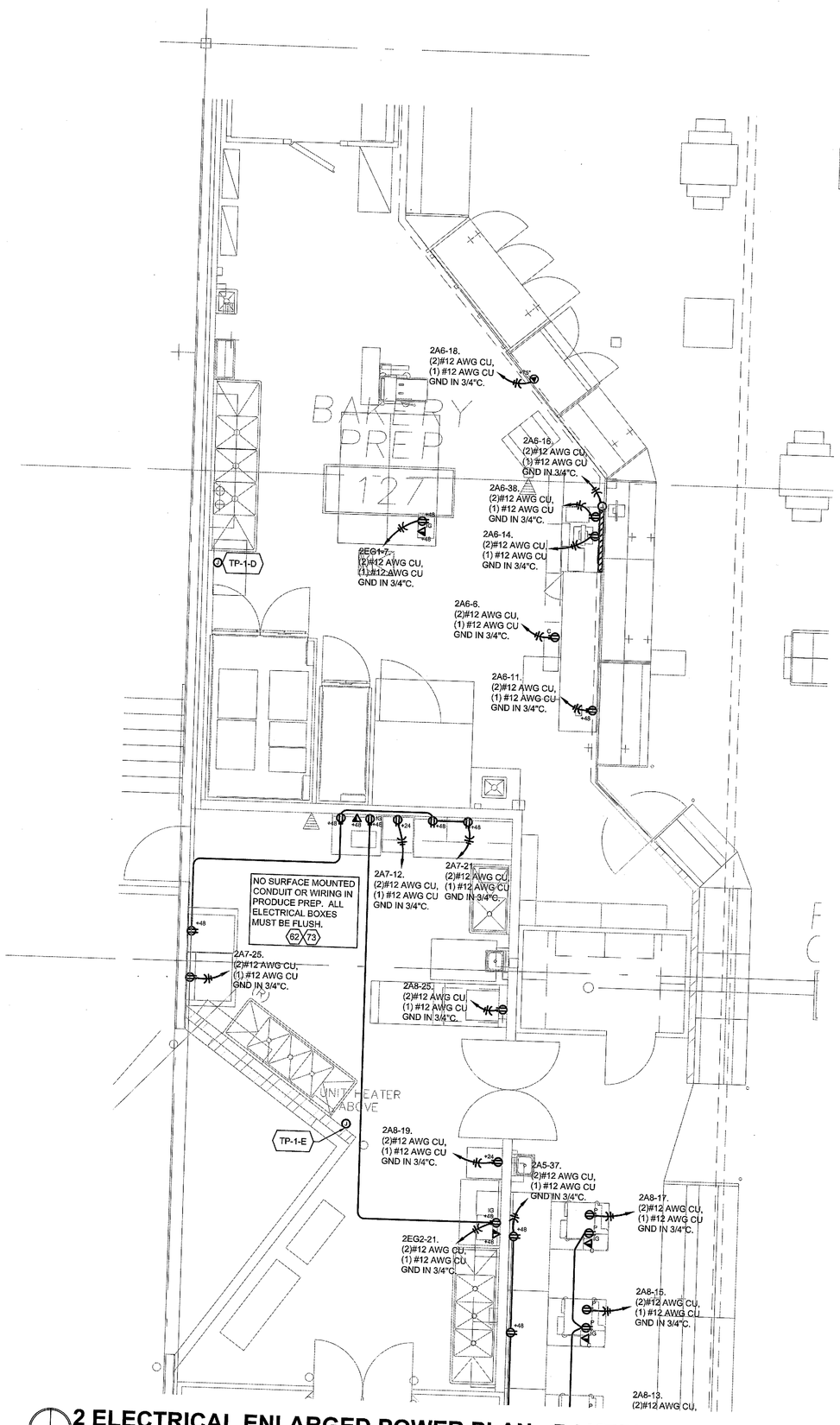
2015-0344



1 ELECTRICAL ENLARGED POWER PLAN - PHARMACY

0 2' 4' 8'

SCALE: 1/4"=1'-0"



2 ELECTRICAL ENLARGED POWER PLAN - BAKERY & PRODUCE PREP

0 2' 4' 8'

SCALE: 1/4"=1'-0"

FOR FOOD PREP ROUGH IN DIMENSIONS AND LOCATIONS, SEE APPROPRIATE E1.5 DOCUMENT

FOOD SERVICE AREA NOTE:

EQUIPMENT SHALL BE CONNECTED TO PANEL CIRCUIT AS INDICATED. ALL RECEPTACLES IN THESE AREAS SHALL BE GROUND FAULT PROTECTED WITH BREAKER OR GFCI TYPE RECEPTACLES TO MATCH NEW EQUIPMENT NEMA CONFIGURATION. ALL PENDANT 120V DROP CORD RECEPTACLES SHALL HAVE GFI TYPE BREAKERS. ALL RECEPTACLES PROTECTED BY GFI BREAKER TO BE LABELED AS GFI PROTECTED.

KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 6" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
3. PLUGMOLD 2000 WITH OUTLETS AT 12" O.C. MOUNT AT SPECIFIED HEIGHT.
4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 45" AND 78" A.F.F., COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-362.
6. MOUNT J-BOX 2" ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE, TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPATCLE FOR EXIT TONE. CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-18920, SWITCH & 15' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE. TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 6" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET IG C.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT, POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-62.
18. INTERMATIC FF36H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" A.F.F.
19. SEE DELI HOOD SEE DETAIL ESD-35 AND SHEET E5.2.
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH. CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54". SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN". COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING. CO TO BE MOUNTED IN FS TYPE BOX, PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF FS BOX, SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
23. SEAL ALL PENETRATIONS.
24. SECURITY SENSORMATIC EQUIPMENT, SEE DETAIL NW-ESD-400, PROVIDED BY FRED MEYER AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ISOLATED GROUND RECEPTACLE WITHIN CABINET, COORDINATE EXACT LOCATION WITH LOSS PREVENTION AND KROGER PROJECT MANAGER.
25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-353 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION, SEE DETAIL NW-ESD-400.
28. SAWCUT & PROVIDE UNDERFLOOR DUCT OR CONDUIT FEEDERS AS SHOWN. FILL & PATCH TO MATCH SURROUNDING FLOOR. VERIFY EXISTING CONDITIONS PRIOR TO SAWCUTTING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING CONDITIONS THAT WILL NEED TO BE REPAIRED DO TO SAWCUTTING.
29. JUNCTION BOX FOR DOCK DOOR SECURITY. SEE DETAIL NW-ESD-405.
30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
33. MOUNT RECEPTACLE IN TOE KICK OR BASEBOARD.
34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
35. DEVICES MOUNTED IN CASEWORK, COORDINATE LOCATION AND MOUNTING DETAILS WITH CASEWORK SUPPLIER.
36. AUTO DOOR POWER, ROUTE THROUGH DOOR MULLION TO DOOR CONTROL PANEL AND MAKE UP ALL NECESSARY CONNECTIONS.
37. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS AND PROVIDE ANY REQUIRED EQUIPMENT TO COMPLETE INSTALLATION. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT SCHEDULE.
38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STORE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL.)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 66. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"x4"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
44. 3/4" CONDUIT FROM GONDOLA MOUNTED DEVICE UP TO J-BOX ABOVE CEILING. PAINT TO MATCH WALLS. SEE GENERAL NOTE NO. 11 & 12.
45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN..
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR, PROVIDE CONTACTORS AS REQUIRED, PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
48. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT. SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT. CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
55. PROVIDE NEW COVERS FOR EXISTING JUNCTION BOX AND LEVEL TO FLOOR. SEE DETAIL NW-ESD-354.
56. AS-BUILTS ARE INCONCLUSIVE, CONTRACTOR TO VERIFY CIRCUIT AND UPDATE PANEL SCHEDULE AND FINAL AS-BUILTS.
57. ELECTRICAL CONTRACTOR TO PROVIDE AMSECO DOOR ANNUNCIATOR SYSTEM, MODEL EBP-401, THIS SHALL BE INSTALLED BY THE EC ACROSS THE ENTRY DOORWAY. PROVIDE 1/2" CONDUIT FROM OUTLET AT CEILING SPACE TO INFRA-RED SENSOR AT 2'0" AFF AT DOORWAY. RUN (2) 14/2 CONDUCTORS IN THE 1/2" CONDUIT, (1) 14/2 FROM THE POWER SUPPLY THAT PLUGS INTO THE OUTLET AT 10'6" AFF TO PROVIDE POWER FOR INFRA-RED SENSOR. (1) 14/2 CONDUCTORS FROM INFRA-RED SENSOR TO THE CHIME UNIT LOCATED AT 10'6"AFF NEXT TO THE OUTLET IF OPEN GRID CEILING OR AT 6" BELOW A CLOSED GRID CEILING.
58. PROVIDE MOMENTARY SWITCH (EATON M22-WB3) WITH (2) CONTACT BLOCKS (EATON M22-K10) OR SIMILAR FOR CONTROLLING THE ROLL SEAL DOORS.
59. CONTRACTOR TO CONNECT PANEL PROVIDED BY OTHERS. COORDINATE WITH KIOSK PROVIDER.
60. UNDER FLOOR DUCT SYSTEM JUNCTION BOX FOR (2) CELL UNDER FLOOR DUCT SYSTEM. PROVIDE TWO(2) 2" CONDUITS WITH PULL CORD FOR POWER TO PANELS NOTED AND TWO(2) 2" CONDUITS WITH PULLCORD FOR VOICE/DATA TO ACCESSIBLE CEILING SPACE. ROUTE DATA TO NEAREST JUNCTION BOX, CONCEALED IN WALLS AND FLOOR. SEE DETAIL NW-ESD-354.
61. NEW PRICE SCANNERS ARE POWER OVER ETHERNET.

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REVISIONS:

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SHEET TITLE:
ELECTRICAL ENLARGED POWER PLANS

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

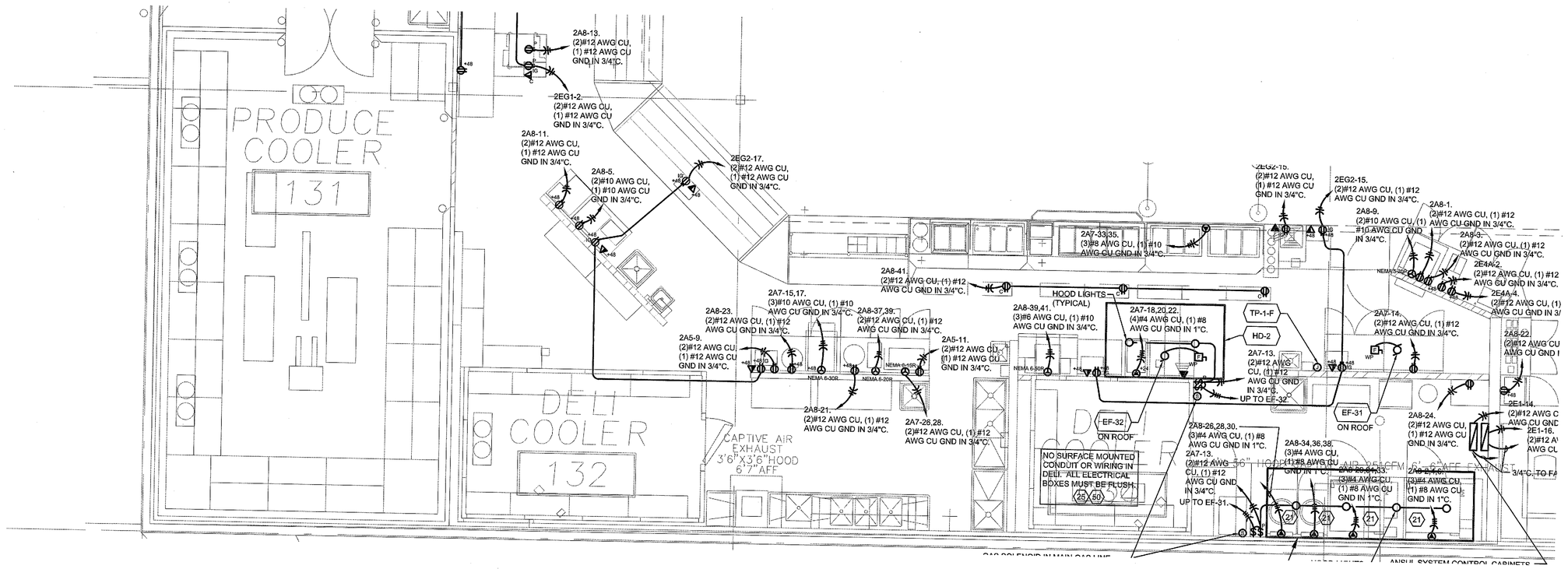
DRAWN BY: CK

CHECKED BY: KW

SHEET

E4.1.1

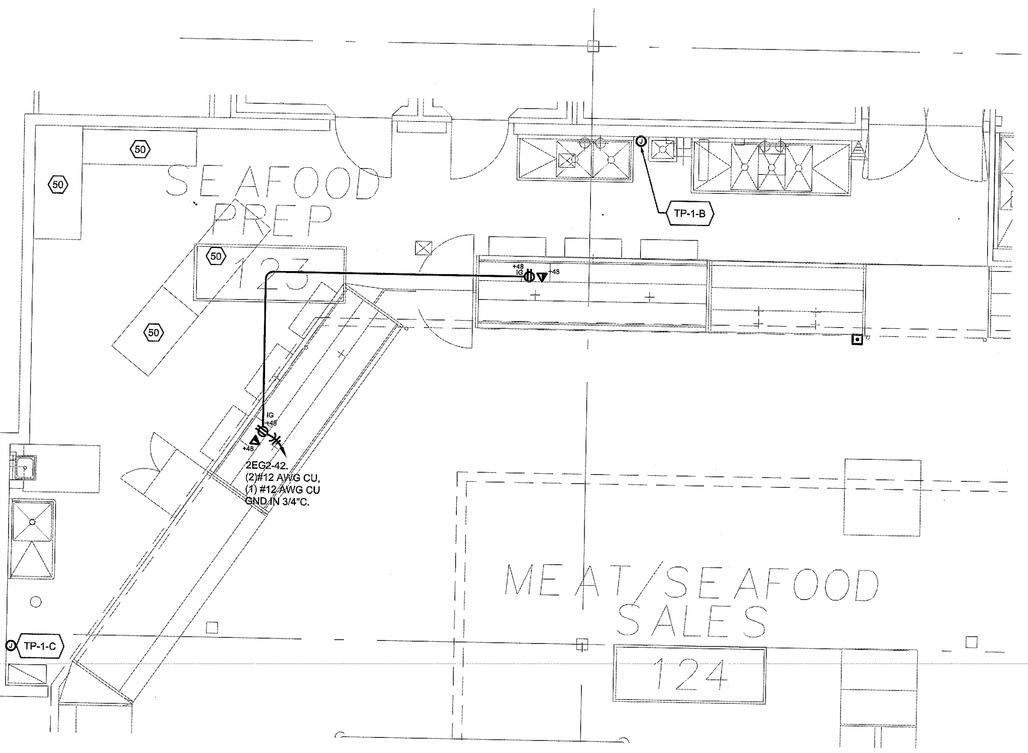
FILE: 172_E4.1 – ELECTRICAL POWER ENLARGED PLANS.DWG – E4.1.1 ELECTRICAL ENLARGED POWER PLANS | EDIT: 12/15/2015 1:57 PM BY LORENAR | PLOT: 12/15/2015 1:57 PM BY LORENA RUIZ



1 ELECTRICAL ENLARGED PLAN - SERVICE DELI & PRODUCE

0 2' 4' 8'

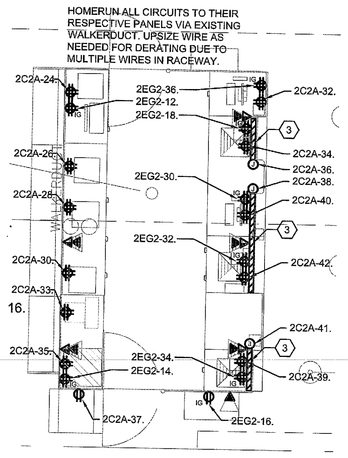
SCALE: 1/4"=1'-0"



2 ELECTRICAL ENLARGED PLAN - SEAFOOD PREP

0 2' 4' 8'

SCALE: 1/4"=1'-0"



3 ELECTRICAL ENLARGED PLAN - CUSTOMER SERVICE

0 2' 4' 8'

SCALE: 1/4"=1'-0"

FOR FOOD PREP ROUGH IN DIMENSIONS AND LOCATIONS, SEE APPROPRIATE E1.5 DOCUMENT

FOOD SERVICE AREA NOTE:

EQUIPMENT SHALL BE CONNECTED TO PANEL CIRCUIT AS INDICATED. ALL RECEPTACLES IN THESE AREAS SHALL BE GROUND FAULT PROTECTED WITH BREAKER OR GFCI TYPE RECEPTACLES TO MATCH NEW EQUIPMENT NEMA CONFIGURATION. ALL PENDANT 120V DROP CORD RECEPTACLES SHALL HAVE GFI TYPE BREAKERS. ALL RECEPTACLES PROTECTED BY GFI BREAKER TO BE LABELED AS GFI PROTECTED.

KEY NOTES:

1. PLUGMOLD 2000 WITH OUTLETS AT 6" O.C. WHT (TYP) MOUNTED AT 6" ABOVE AND 6" BELOW COUNTER. RUN FULL LENGTH OF COUNTER.
2. PLUGMOLD 2000 WITH OUTLETS ON 18" O.C. MOUNT AT 4" ABOVE COUNTER OR AT SPECIFIED HEIGHT.
3. PLUGMOLD 2000 WITH OUTLETS AT 12" O.C. MOUNT AT SPECIFIED HEIGHT.
4. 72" OF VERTICAL PLUGMOLD 2000 ISOLATED GROUND WITH BOTTOM AT 12" A.F.F. ISOLATED GROUND OUTLETS AT 6" O.C.
5. 2-ELEVATIONS OF GREY WIREMOLD 2000 SERIES WITH OUTLETS @ 12" O.C., MOUNT AT 45° AND 76° A.F.F., COORDINATE 2 SEPARATE MOUNTING HEIGHTS AND EXACT LENGTH OF TV WALL WITH FRED MEYER NON FOOD RELAY MANAGER PRIOR TO ANY FINAL ROUGH-IN. SEE DETAIL NW-ESD-382.
6. MOUNT J-BOX 2" ABOVE DOOR JAM FOR SECURITY SYSTEM. PROVIDE BLANK COVERPLATE WITH TAMPER RESISTANT SCREWS AND EXTEND 3/4" CONDUIT WITH PULLCORD FROM BOX TO ACCESSIBLE CEILING SPACE, TERMINATE WITH PLASTIC BUSHING.
7. DUPLEX RECEPATCLE FOR EXIT TONE. CONTRACTOR TO MOUNT DIRECTLY ABOVE FINISHED ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION WITH LOSS PREVENTION.
8. ROUTE OWNER PROVIDED POWER CORD AND COMMUNICATION CABLE THRU VENDOR PROVIDE COVER FROM EACH REGISTER TO EACH CHANGE DISPENSER.
9. ELECTRICAL CONTRACTOR TO COORDINATE WITH KROGER PROJECT MANAGER & FIXTURE INSTALLER. PROVIDE EDISON SOCKET IN CHECK STAND LIGHTED TOPPER AND FLUORESCENT LAMP TYPE TPC-18920, SWITCH & 10' CORD. PLUG LIGHT INTO OUTLET SHOWN AT CHECKLANES.
10. PROVIDE 1" CONDUIT WITH PULLCORD CONCEALED ABOVE ACCESSIBLE CEILING FOR DATA AND TELEPHONE CABLES.
11. PROVIDE 3/4" CONDUIT FOR DATA/TELE, UNLESS OTHERWISE NOTED, WITH PULLCORD TO ACCESSIBLE CEILING SPACE, TERMINATE WITH BUSHING. PAINT CONDUIT TO MATCH WALL OR COLUMN WHEN REQUIRED.
12. STUB VOICE/DATA CONDUIT 1 1/2"C (UNLESS OTHERWISE NOTED) 8" A.F.F. WITH CASEWORK AND CAP. EXTEND, CONCEALED IN FLOOR AND WALL, UP INTO ACCESSIBLE CEILING OR TO JOIST SPACE AND CAP.
13. OWNER PROVIDED AND OWNER INSTALLED ETHERNET CABINET IG C.O. AT INDICATED HEIGHT A.F.F., COORDINATE WITH NETWORK SERVICES.
14. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH NETWORK SERVICES AND FINAL FIXTURE PLAN.
15. PROVIDE LOW PROFILE BOX FOR SECURITY CASE LIGHTS. MOUNT IN TOP CORNER OF CASE. PAINT TO MATCH CABINET, COORDINATE WITH RELAY.
16. 1 1/2"C STUB +48"A.F.F. & EXTEND CONCEALED IN WALL UP TO ACCESSIBLE CEILING SPACE AND CAP.
17. PROVIDE 2-CELL WIREMOLD 25DTP-4 PT EQUIVALENT, POWER/DATA POLE FROM CEILING TO COUNTER. SEE DETAIL NW-ESD-381 OR ESD-82.
18. INTERMATIC FF36H (WHITE) IN-WALL TWIST TIMER FOR ICE MACHINE. ICE MACHINE LOCATED ABOVE COOLER. MOUNT TIMER AT 4'-6" A.F.F.
19. SEE DELI HOOD SEE DETAIL ESD-35 AND SHEET E5.2.
20. EQUIPMENT PROVIDED WITH SHUNT TRIP BREAKER FOR EMERGENCY SHUT DOWN.
21. OWNER PROVIDED HOOD WITH SWITCH. CONTRACTOR TO MOUNT SWITCH W/PILOT LIGHT FOR EXHAUST FAN & LTS. AT +54". SEE SHEET E1.4 FOR CIRCUITING. PROVIDE PHENOLIC NAMEPLATE "EXHAUST FAN". COORDINATE WITH MECHANICAL AND EQUIPMENT MANUFACTURER.
22. COORDINATE RECEPTACLE WITH SHELVING. CO TO BE MOUNTED IN FS TYPE BOX. PENETRATE COOLER BOX AND FEED DEVICE THROUGH BACK OF FS BOX, SURFACE CONDUIT IN COOLERS IS NOT ACCEPTABLE. SEAL ALL PENETRATIONS.
23. SEAL ALL PENETRATIONS.
24. SECURITY SENSORMATIC EQUIPMENT, SEE DETAIL NW-ESD-400. PROVIDED BY FRED MEYER AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ISOLATED GROUND RECEPTACLE WITHIN CABINET, COORDINATE EXACT LOCATION WITH LOSS PREVENTION AND KROGER PROJECT MANAGER.
25. RUN CONDUIT IN COMMON TRENCH. IF POSSIBLE ROUTE TO FALSE COLUMN OR WALL WHICH EVER APPLIES THEN HOME AS SHOWN.
26. CHECK STANDS AND FLOOR DUCT. CONTRACTOR TO PROVIDE EACH CHECKSTAND WITH PROVISION FOR DATA, TELEPHONE, ISOLATED GROUND POWER AND NORMAL POWER. CIRCUIT AS INDICATED. CONNECTIONS TO FLOOR DUCT AND DEVICES FOR REGISTERS TO BE CONCEALED WITHIN CASEWORK. SEE DETAIL NW-ESD-353 FOR CONNECTIONS.
27. SINGLE SECTION FLOOR DUCT FOR SECURITY SENSORMATIC FLOOR PEDESTAL. COORDINATE EXACT POSITION WITH KROGER PROJECT MANAGER AND LOSS PREVENTION, SEE DETAIL NW-ESD-400.
28. SAWCUT & PROVIDE UNDERFLOOR DUCT OR CONDUIT FEEDERS AS SHOWN. FILL & PATCH TO MATCH SURROUNDING FLOOR. VERIFY EXISTING CONDITIONS PRIOR TO SAWCUTTING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING CONDITIONS THAT WILL NEED TO BE REPAIRED DO TO SAWCUTTING.
29. JUNCTION BOX FOR DOCK DOOR SECURITY, SEE DETAIL NW-ESD-405.
30. 2" CONDUIT W/PULLCORD TO TELEPHONE DEMARK FROM CEILING SPACE OVER TENANT WORK ROOM FOR FUTURE TENANT TELEPHONE SERVICE. COORDINATE EXACT LOCATION WITH KROGER PROJECT MANAGER AND TENANT PLAN.
31. 3/4"C WITH PULLCORD FROM TENANT PANEL TO JUNCTION BOX IN FASCIA FOR FUTURE EXTERIOR TENANT SIGN. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH KROGER PROJECT MANAGER.
32. PROVIDE ENCLOSED MOLDED CASE CIRCUIT BREAKER AS DISCONNECT UNDER CAB. SEE SPECIFIED VOLTAGE AND BREAKER SIZE.
33. MOUNT RECEPTACLE IN TOE KICK OR BASEBOARD.
34. SIMPLEX CLOCK TYPE RECEPTACLE. COORDINATE WITH DECOR, AT INDICATED HEIGHT.
35. DEVICES MOUNTED IN CASEWORK, COORDINATE LOCATION AND MOUNTING DETAILS WITH CASEWORK SUPPLIER.
36. AUTO DOOR POWER, ROUTE THROUGH DOOR MULLION TO DOOR CONTROL PANEL AND MAKE UP ALL NECESSARY CONNECTIONS.
37. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS AND PROVIDE ANY REQUIRED EQUIPMENT TO COMPLETE INSTALLATION. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT SCHEDULE.
38. RUN CONDUIT IN VOID SPACE CONCEALED BELOW AND WITHIN STORE GONDOLA FIXTURES, CASES, CHECK STANDS, ETC. EXCEPT WHERE INDICATED OTHERWISE. (TYPICAL.)
39. MOUNT DUPLEX RECEPTACLE FLUSH IN GONDOLA AT SPECIFIED HEIGHT, SEE KEYNOTE 86. PAINT COVER TO MATCH GONDOLA.
40. ROUTE CONDUIT FROM DEVICE CONCEALED WITHIN CASEWORK OR FLOOR AS INDICATED TO WALL OR COLUMN, TO INDICATED PANEL.
41. PROVIDE INDICATED CIRCUITS TO CASE FOR POWER AND LIGHTS. ROUTE TO SINGLE POINT CONNECTION JUNCTION BOX IN CASEWORK AND MAKE ALL FINAL CONNECTIONS REQUIRED. SEE KEYNOTE 66.
42. DUPLEX RECEPTACLE MOUNTED TOP OF GONDOLA WHERE INDICATED OR 18" FROM END OF GONDOLA. PROVIDE 2"x4"x1 7/8" DEEP HANDY BOX WITH GALVANIZED STEEL RECEPTACLE PLATE. PAINT BOX & COVER TO MATCH GONDOLA.
43. DEVICE TO BE 20AMP RATED.
44. 3/4" CONDUIT FROM GONDOLA MOUNTED DEVICE UP TO J-BOX ABOVE CEILING. PAINT TO MATCH WALLS. SEE GENERAL NOTE NO. 11 & 12.
45. SEE ONE-LINE DIAGRAM.
46. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER NON FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN..
47. ROUTE CIRCUITS THROUGH ENERGY MANAGEMENT SYSTEM (EMS) CONTACTORS. COORDINATE WORK WITH EMS CONTRACTOR. PROVIDE CONTACTORS AS REQUIRED. PROVIDE REQUIRED CONTROL CIRCUITS TO EMS.
48. COORDINATE EXACT LOCATION PRIOR TO FINAL ROUGH-IN WITH FRED MEYER FOOD RELAY AND/OR KROGER PROJECT MANAGER AND FINAL FIXTURE PLAN.
49. RUN FLEX CONDUIT DOWN INSIDE OF COLUMN TO LOW PROFILE CONVENIENCE OUTLET LOCATED AS INDICATED ON DRAWINGS. SEE DETAIL ESD-54.
50. INTERCEPT EXISTING CIRCUIT AND/OR CONDUIT AND EXTEND TO NEW LOCATION.
51. EXISTING DEVICE AND OR HOMERUN SHALL REMAIN.
52. PROVIDE NEW RECEPTACLES, SWITCHES AND COVER PLATES IN PAINTED OR UPGRADES AREA, RECONNECT TO EXISTING CIRCUIT. MATCH EXISTING STYLE AND COLOR.
53. ROUTE TO EXISTING FLOOR DUCT, SEE DETAIL NW-ESD-354. INTERCEPT EXISTING FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY AND REUSE OR REPLACE AS REQUIRED.
54. EXISTING FLOOR DUCT OR CONDUIT AND CONDUCTORS. CONDITION UNKNOWN. EC SHALL CONSIDER WORST CASE AND PROVIDE IN THEIR BID THE COST TO INSTALL INDICATED POWER REQUIREMENTS AS SHOWN INCLUDING NEW FLOOR DUCT, CONTRACTOR TO VERIFY INTEGRITY OF EXISTING CONDUIT AND CONDUCTORS PRIOR TO USE.
55. PROVIDE NEW COVERS FOR EXISTING JUNCTION BOX AND LEVEL TO FLOOR. SEE DETAIL NW-ESD-354.
56. AS-BUILTS ARE INCONCLUSIVE. CONTRACTOR TO VERIFY CIRCUIT AND UPDATE PANEL SCHEDULE AND FINAL AS-BUILTS.
57. ELECTRICAL CONTRACTOR TO PROVIDE AMSECO DOOR ANNUNCIATOR SYSTEM, MODEL EBP-401. THIS SHALL BE INSTALLED BY THE EC ACROSS THE ENTRY DOORWAY. PROVIDE 1/2" CONDUIT FROM OUTLET AT CEILING SPACE TO INFRA-RED SENSOR AT 2'0" AFF AT DOORWAY. RUN (2) 14/2 CONDUCTORS IN THE 1/2" CONDUIT, (1) 14/2 FROM THE POWER SUPPLY THAT PLUGS INTO THE OUTLET AT 10'6" AFF TO PROVIDE POWER FOR INFRA-RED SENSOR. (1) 14/2 CONDUCTORS FROM INFRA-RED SENSOR TO THE CHIME UNIT LOCATED AT 10'6"AFF NEXT TO THE OUTLET IF OPEN GRID CEILING OR AT 6" BELOW A CLOSED GRID CEILING.
58. PROVIDE MOMENTARY SWITCH (EATON M22-WBS) WITH (2) CONTACT BLOCKS (EATON M22-K10) OR SIMILAR FOR CONTROLLING THE ROLL SEAL DOORS.
59. CONTRACTOR TO CONNECT PANEL PROVIDED BY OTHERS. COORDINATE WITH KIOSK PROVIDER.
60. UNDER FLOOR DUCT SYSTEM JUNCTION BOX FOR (2) CELL UNDER FLOOR DUCT SYSTEM. PROVIDE TWO(2) 2" CONDUITS WITH PULL CORD FOR POWER TO PANELS NOTED AND TWO(2) 2" CONDUITS WITH PULLCORD FOR VOICE/DATA TO ACCESSIBLE CEILING SPACE, ROUTE DATA TO NEAREST JUNCTION BOX, CONCEALED IN WALLS AND FLOOR. SEE DETAIL NW-ESD-354.
61. NEW PRICE SCANNERS ARE POWER OVER ETHERNET.

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SHEET TITLE:
ELECTRICAL ENLARGED POWER PLANS

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

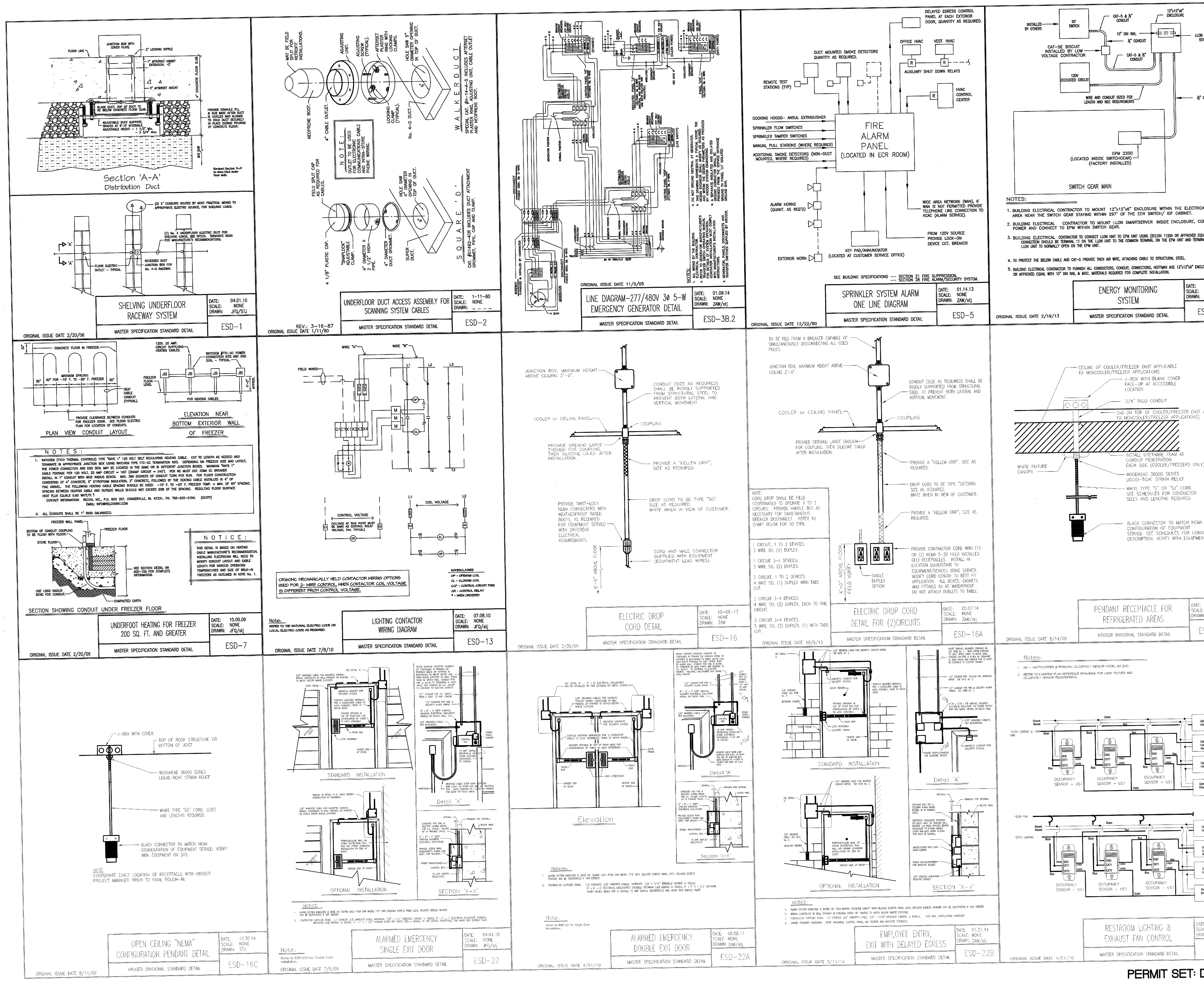
DRAWN BY: CK

CHECKED BY: KW

SHEET
E4.1.2

JOB NO. 215034600.00

FILE: 172_E4.1 – ELECTRICAL POWER ENLARGED PLANS.DWG – E4.1.2 ELECTRICAL ENLARGED POWER PLANS | EDIT: 12/15/2015 9:42 AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ



PERMIT SET: DECEMBER 21, 2015

FILE: 172_E5.1 – ELECTRICAL STANDARD DETAILS.DWG – E5.1 ELECTRICAL STANDARD DETAILS SHEET (1 OF 9) | EDIT: 11/18/2015 7:57
AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ

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SHEET TITLE:
ELECTRICAL STANDARD DETAILS
SHEET (1 OF 9)

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E5.1

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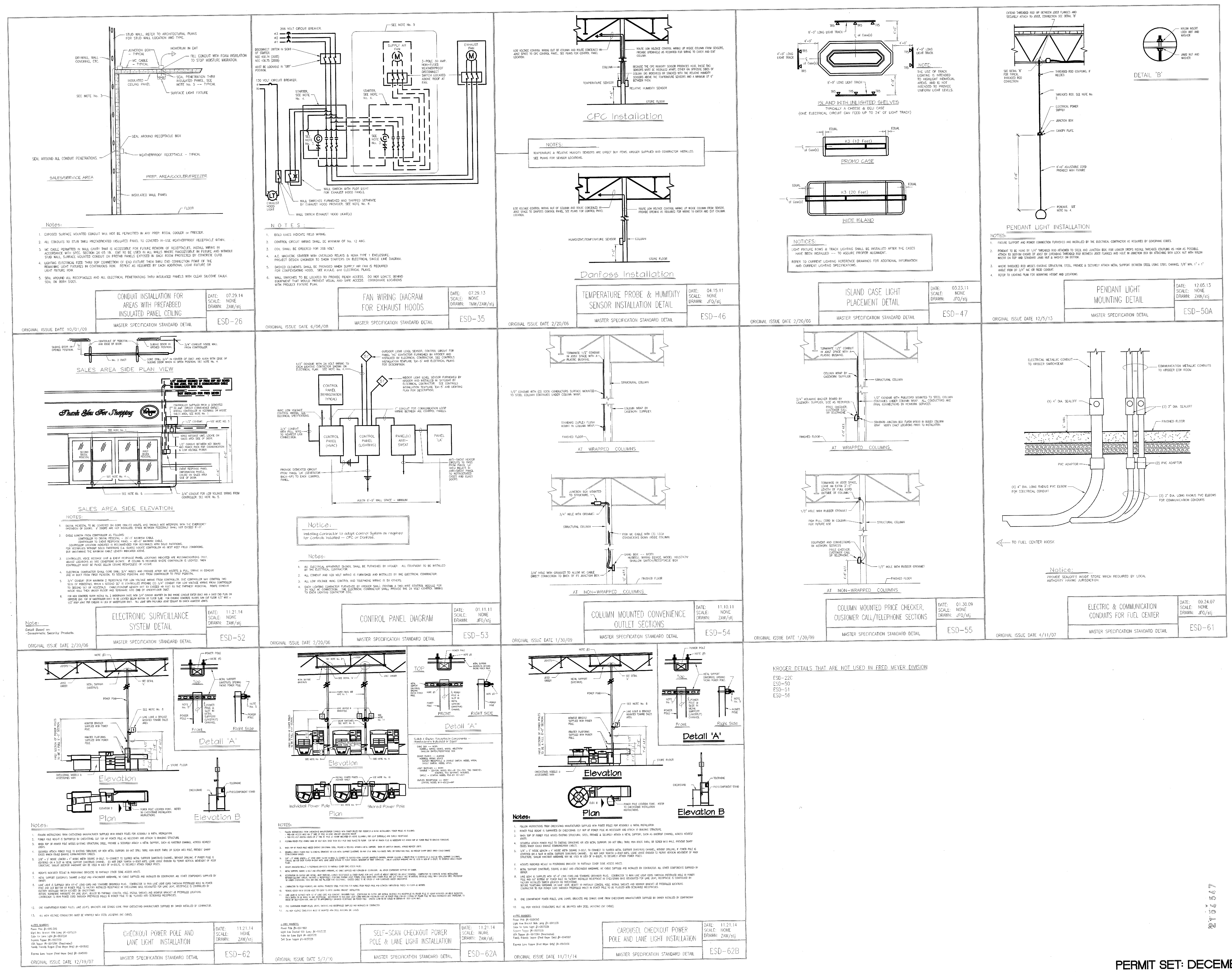

KROGER DETAILS THAT ARE NOT USED IN FRED MEYER DIVISION

ESD-22C
ESD-50
ESD-51
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SHEET TITLE:

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E5.2

2154547

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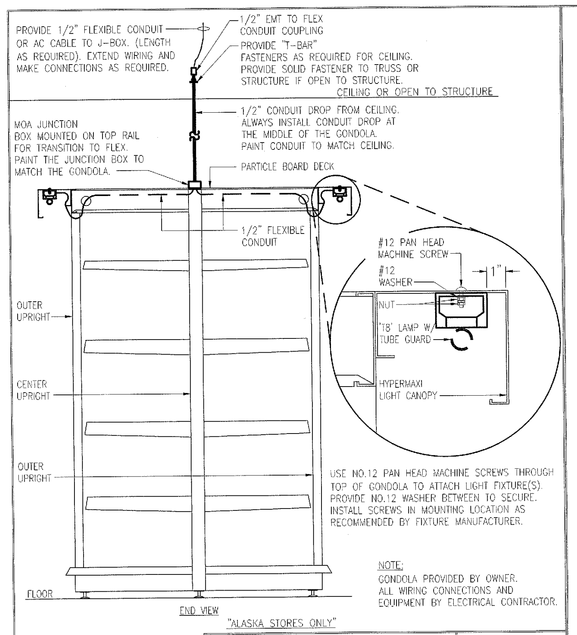
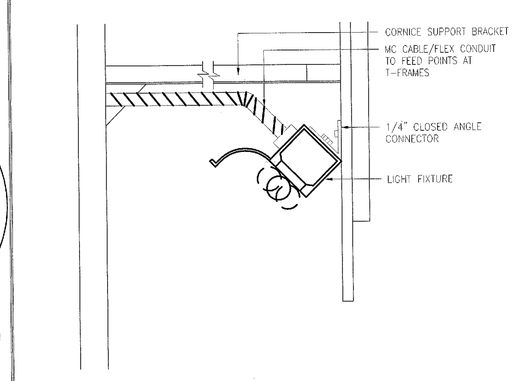
FILE: 172_E5.1 – ELECTRICAL STANDARD DETAILS.DWG – E5.2 ELECTRICAL STANDARD DETAILS SHEET (2 OF 9) | EDIT: 11/18/2015 7:57 AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ



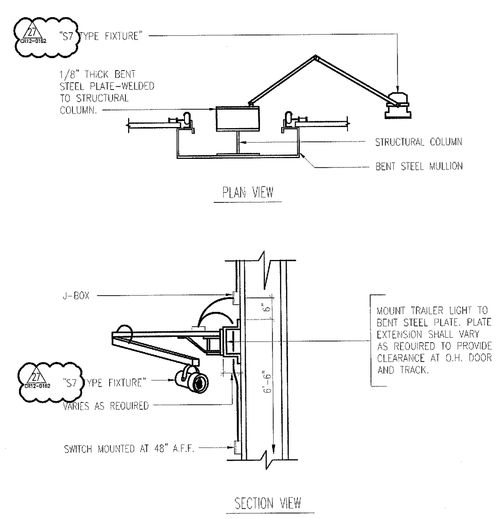
ILLUMINATED GROCERY ISLE CORNICE LIGHT FIXTURE MOUNTING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
KROGER DIVISIONAL STANDARD DETAIL	NW-ESD-304

ORIGINAL ISSUE DATE 6/27/06



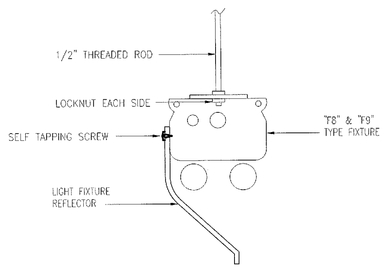
CORNICE LIGHT FIXTURE MOUNTING DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-305

ORIGINAL ISSUE DATE 8/14/09



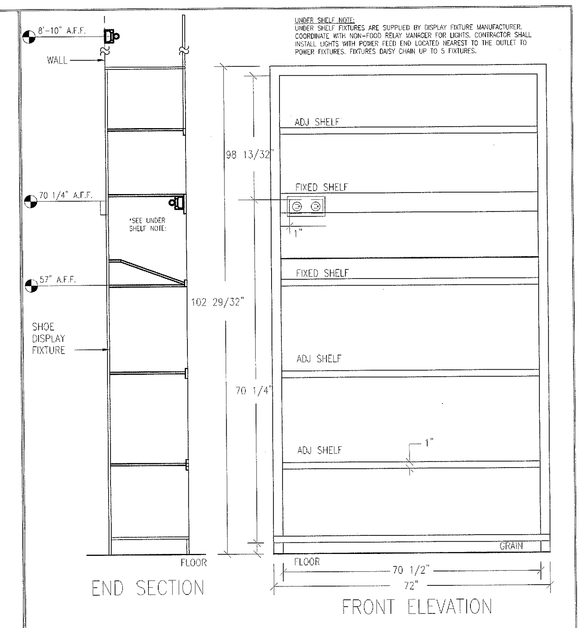
DOCK LIGHT FIXTURE MOUNTING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-306

ORIGINAL ISSUE DATE 6/27/06



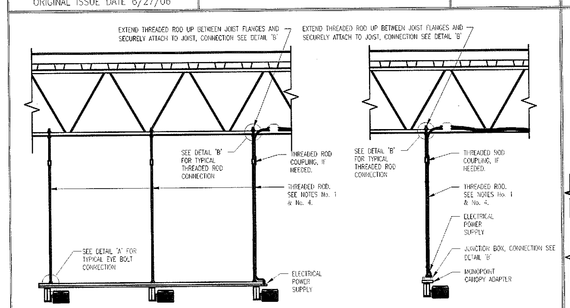
WALL SIGN LIGHT FIXTURE MOUNTING DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-307

ORIGINAL ISSUE DATE 8/14/09



SHOE DISPLAY CORNICE LIGHT MOUNTING DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-313

ORIGINAL ISSUE DATE 06.30.11

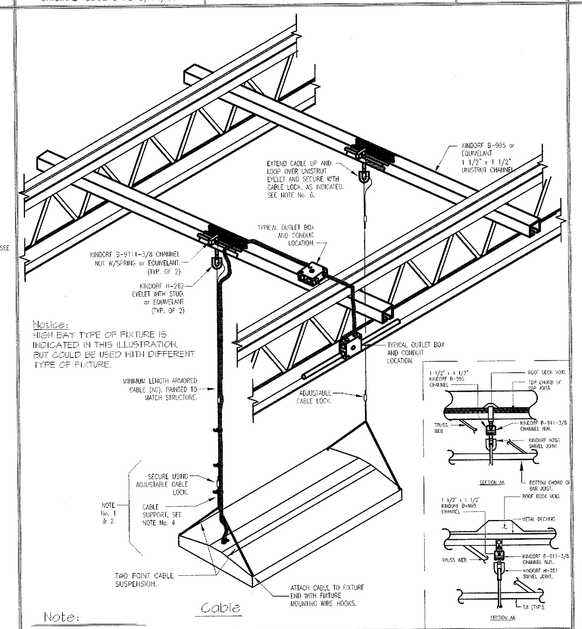


NOTES:

1. THIS DETAIL IS ASSOCIATED WITH THE INSTALLATION OF TR15, TR16, TR17, TR18 AND TR19 LED TRACK LIGHT FIXTURES. MAKE ELECTRIFIED TRACK FOR MULTIPLE FIXTURES ON MONOPOINT WITH THREADED ROD. THREADED ROD SHOULD BE USED TO SUPPORT ELECTRIFIED TRACK AT ALL LOCATIONS TO ELIMINATE THE CAUSE OF TRACK TO SWAY.
2. FIXTURE SUPPORT AND POWER CONNECTION FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS REQUIRED BY GOVERNING CODES.
3. INSTALL ELECTRIFIED TRACK WITH MIN. 3/8" DIAMETER STANDARD STEEL THREADED CONNECTED TO 1" MIN. X 1" ELECTRIC UNISTRUT STEEL CHANNEL PAINTED TO MATCH THE WALLS, WITH 1/4" SLOT PATH FACTORY DRILLED HOLES WITH NYLON INSERT ON BOTTOM AND NYLON INSERT AND LOCK NUT ON TOP OF THE TRACK, 4' TRACK TO BE INSTALLED OF 2 POINTS OF ATTACHMENT, 8' ON 3 POINTS AND 12' BY 4 POINTS.
4. MONOPOINT FIXTURE TO BE HUNG ON 3/8" THREADED ROD ATTACHED TO STEEL AND JUNCTION BOX, FOR LONGER DROPS INSTALL THREADED COUPLING AS HIGH AS WITH WALL MOUNT, ATTACH TO CEILING CHANNEL OF JOIST BY EXTENDING THREADED ROD BETWEEN JOIST FLANGES AND HOLE IN JUNCTION BOX BY ATTACHING WITH LOCK NUT WITH NYLON INSERT ON TOP AND STANDARD JAWS NUT & WASHER ON BOTTOM.
5. WHERE MOUNTING THREADED ROD MEMBER EXISTING STRUCTURAL STEEL, PROVIDE & SECURELY ATTACH METAL SUPPORT BETWEEN STEEL USING STEEL CHANNEL 3/8" MIN. 1" x 1" ANGLE IRON.
6. LIGHT TRACK LENGTH AND HEIGHT ABOVE FLOOR VARIES PER LOCATION. REFER TO LIGHTING PLAN FOR MOUNTING HEIGHT AND LOCATIONS.

LED TRACK LIGHT & MONOPOINT DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
KROGER DIVISIONAL STANDARD DETAIL	NW-ESD-314

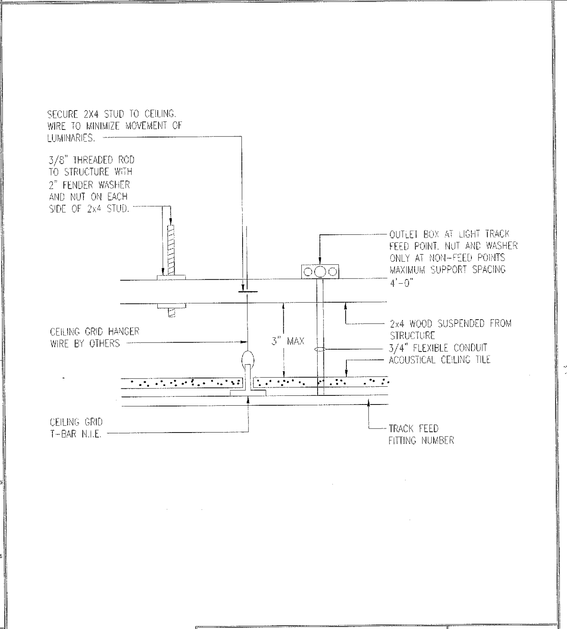
ORIGINAL ISSUE DATE 1/18/13



Note:
SEE NOTES ON ESD-51.

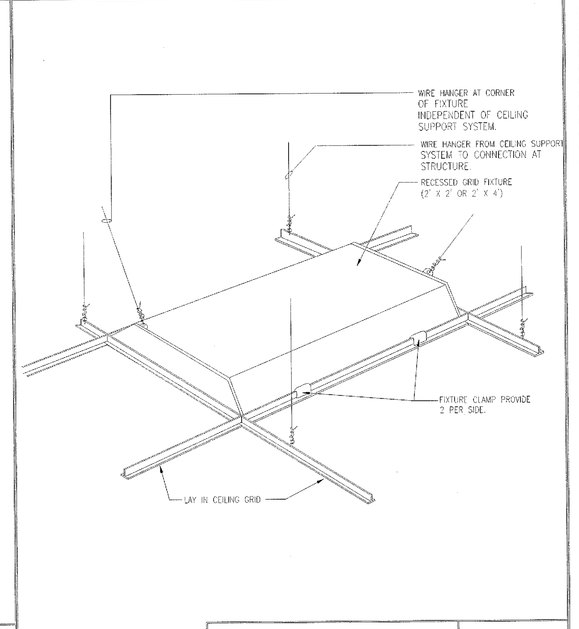
UNISTRUT FIXTURE MOUNTING DETAIL	DATE: 01.12.13 SCALE: NONE DRAWN: STJ
KROGER DIVISIONAL STANDARD DETAIL	NW-ESD-315

ORIGINAL ISSUE DATE 1/12/13



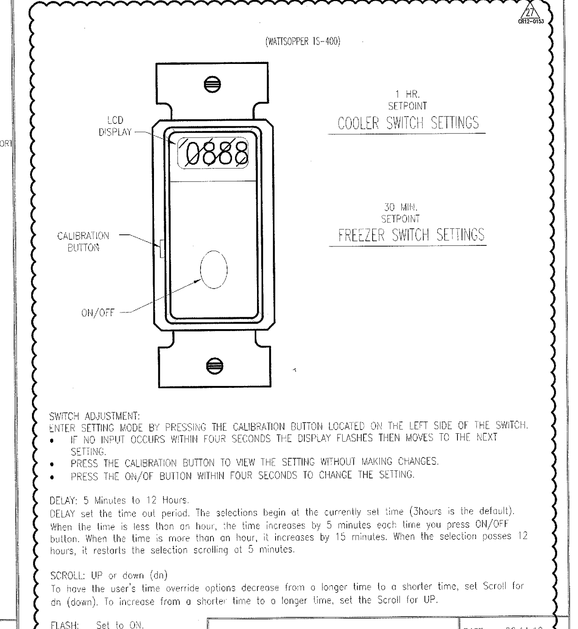
T-BAR CEILING LIGHT TRACK MOUNTING DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-316

ORIGINAL ISSUE DATE 8/14/09



CEILING GRID RECESSED LIGHT FIXTURE MOUNTING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-317

ORIGINAL ISSUE DATE 6/27/06



SWITCH ADJUSTMENT:
ENTER SETTING MODE BY PRESSING THE CALIBRATION BUTTON LOCATED ON THE LEFT SIDE OF THE SWITCH.

- IF NO INPUT OCCURS WITHIN FOUR SECONDS THE DISPLAY FLASHES THEN MOVES TO THE NEXT SETTING.
- PRESS THE CALIBRATION BUTTON TO VIEW THE SETTING WITHOUT MAKING CHANGES.
- PRESS THE ON/OF BUTTON WITHIN FOUR SECONDS TO CHANGE THE SETTING.

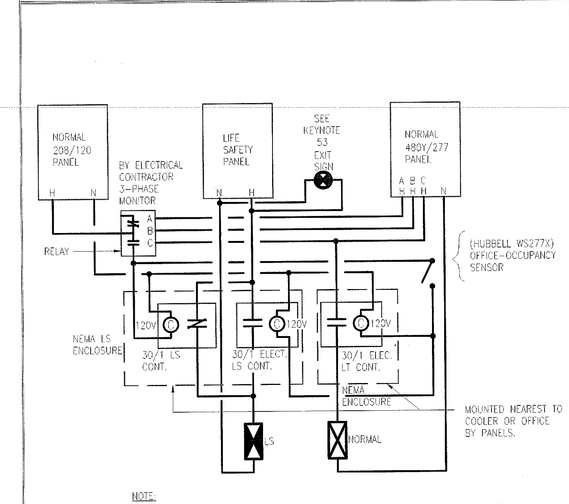
DELAY: 5 Minutes to 12 Hours.
DELAY set the time out period. The selections begin at the currently set time (3hours is the default). When the time is less than on hour, the time increases by 5 minutes each time you press ON/OFF button. When the time is more than on hour, it increases by 15 minutes. When the selection passes 12 hours, it restarts the selection scrolling at 5 minutes.

SCROLL: UP or down (dis)
To have the user's time override options decrease from a longer time to a shorter time, set Scroll for dn (down). To increase from a shorter time to a longer time, set the Scroll for UP.

FLASH: Set to ON.
SOUND: Set to ON.

COOLER/FREEZER TIMER SWITCH SETTING DETAIL	DATE: 05.11.10 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-318

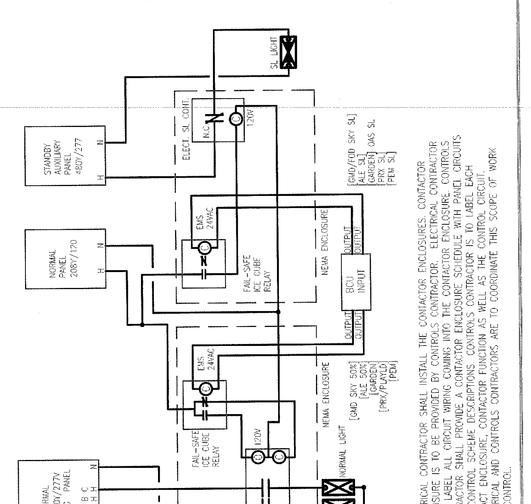
ORIGINAL ISSUE DATE 5/11/10



NOTE:
ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE CONTACTOR ENCLOSURES WITH CONTACTORS IN ACCESSIBLE CEILING AREA. ELECTRICAL CONTRACTOR SHALL INDICATE THE LOCATION OF ENCLOSURE BY LABELING CEILING GRID WHERE ENCLOSURE IS ACCESSIBLE FROM. ELECTRICAL CONTRACTOR IS TO LABEL ALL CIRCUIT WIRING COMING INTO THE CONTACTOR ENCLOSURE AND PROVIDE A CONTACTOR ENCLOSURE SCHEDULE WITH PANEL CIRCUITS. ELECTRICAL CONTRACTOR IS TO LABEL EACH CONTACTOR AND ENCLOSURE. CONTACTOR FUNCTION AS WELL AS THE CONTROL CIRCUIT.

FMTV/OFFICE FLUORESCENT & LIFE SAFETY SWITCH CONTROL DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-320

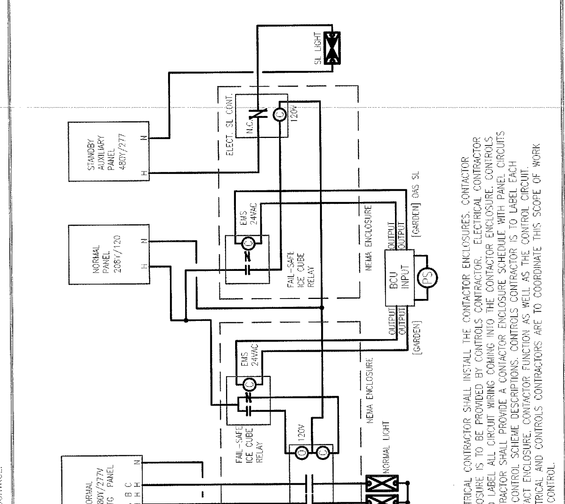
ORIGINAL ISSUE DATE 8/14/09



NOTE:
ELECTRICAL CONTRACTOR SHALL INSTALL THE CONTACTOR ENCLOSURES. CONTACTOR ENCLOSURE IS TO BE PROVIDED BY CONTROLS CONTRACTOR. ELECTRICAL CONTRACTOR IS TO LABEL ALL CIRCUIT WIRING COMING INTO THE CONTACTOR ENCLOSURE. CONTRACTOR SHALL PROVIDE A CONTACTOR ENCLOSURE SCHEDULE WITH PANEL CIRCUITS AND CONTROL SCHEME DESCRIPTIONS. CONTROLS CONTRACTOR IS TO LABEL EACH CONTACT ENCLOSURE, CONTACTOR FUNCTION AS WELL AS THE CONTROL CIRCUIT. ELECTRICAL AND CONTROLS CONTRACTORS ARE TO COORDINATE THIS SCOPE OF WORK FOR CONTROL.

FLUORESCENT STANDBY LIGHTING CIRCUIT SWITCH CONTROL DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-321

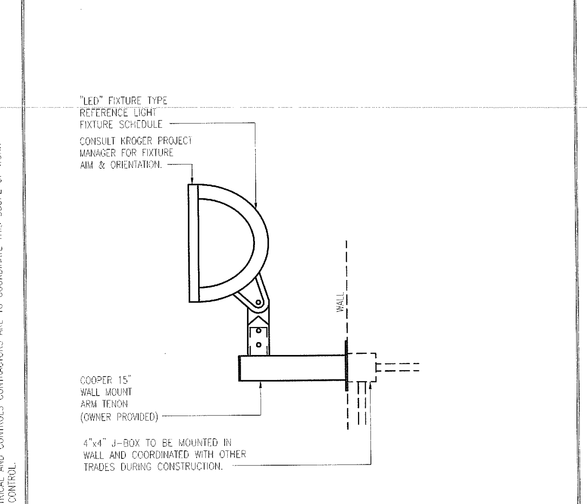
ORIGINAL ISSUE DATE 8/14/09



NOTE:
ELECTRICAL CONTRACTOR SHALL INSTALL THE CONTACTOR ENCLOSURES. CONTACTOR ENCLOSURE IS TO BE PROVIDED BY CONTROLS CONTRACTOR. ELECTRICAL CONTRACTOR IS TO LABEL ALL CIRCUIT WIRING COMING INTO THE CONTACTOR ENCLOSURE. CONTRACTOR SHALL PROVIDE A CONTACTOR ENCLOSURE SCHEDULE WITH PANEL CIRCUITS AND CONTROL SCHEME DESCRIPTIONS. CONTROLS CONTRACTOR IS TO LABEL EACH CONTACT ENCLOSURE, CONTACTOR FUNCTION AS WELL AS THE CONTROL CIRCUIT. ELECTRICAL AND CONTROLS CONTRACTORS ARE TO COORDINATE THIS SCOPE OF WORK FOR CONTROL.

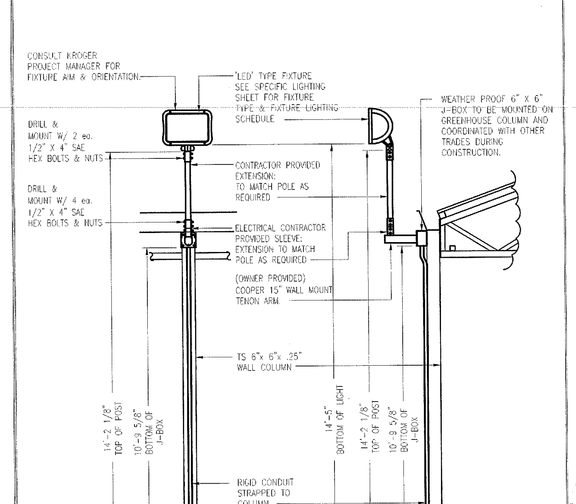
FLUORESCENT OAS STANDBY LIGHTING CIRCUIT SWITCH CONTROL DETAIL	DATE: 02.17.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-322

ORIGINAL ISSUE DATE 2/17/11



"LED" TYPE LIGHT FIXTURE WALL MOUNTING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-325

ORIGINAL ISSUE DATE 6/27/06



"LED" TYPE LIGHT FIXTURE GREENHOUSE MOUNTING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-326

ORIGINAL ISSUE DATE 6/27/06

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REMODEL

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KENT, WA 98031

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REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL STANDARD DETAILS
SHEET (3 OF 9)

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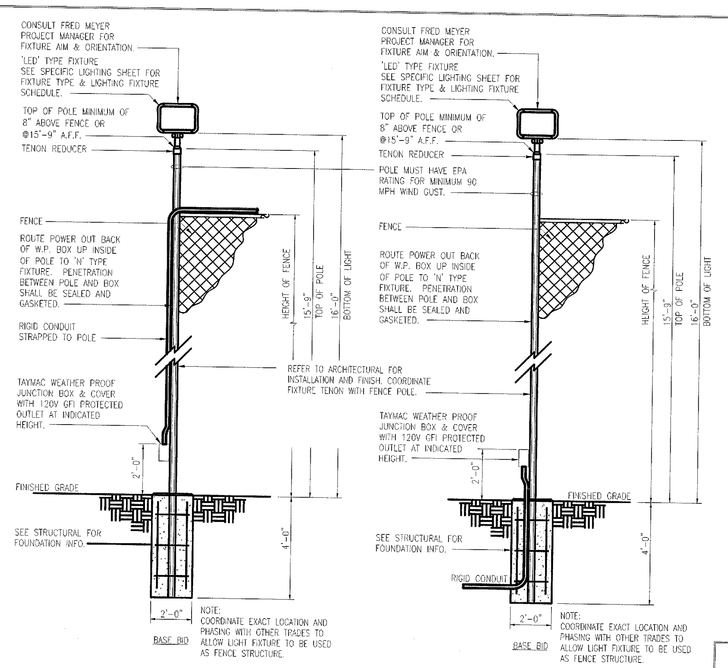
DRAWN BY: XXX
CHECKED BY: XXX
SHEET
E5.3

JOB NO. 215034600.00

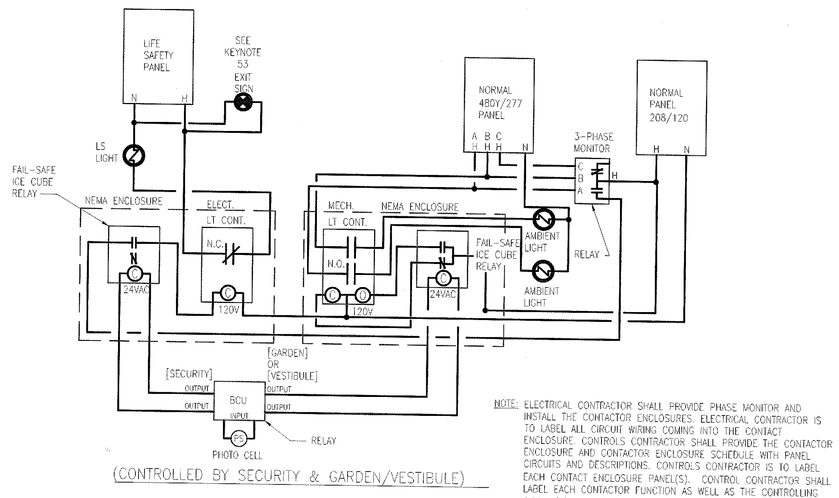
PERMIT SET: DECEMBER 21, 2015

FILE: 172_E5.1 – ELECTRICAL STANDARD DETAILS.DWG – E5.3 ELECTRICAL STANDARD DETAILS SHEET (3 OF 9) | EDIT: 11/18/2015 7:57 AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ



"LED" TYPE LIGHT FIXTURE FENCE MOUNTING DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-327

ORIGINAL ISSUE DATE 8/14/09

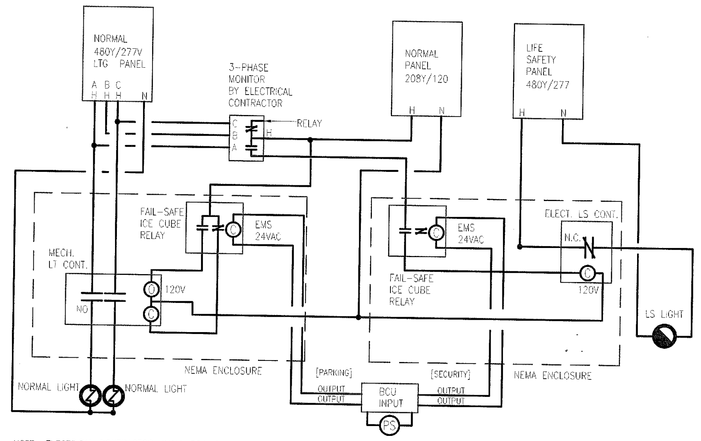


(CONTROLLED BY SECURITY & GARDEN/VESTIBULE)

NOTE: ELECTRICAL CONTRACTOR SHALL PROVIDE PHASE MONITOR AND INSTALL THE CONTACTOR ENCLOSURES. ELECTRICAL CONTRACTOR IS TO LABEL ALL CIRCUIT WIRING COMING INTO THE CONTACT ENCLOSURE. CONTROLS CONTRACTOR SHALL PROVIDE THE CONTACTOR ENCLOSURE AND CONTACTOR ENCLOSURE SCHEDULE WITH PANEL CIRCUITS AND DESCRIPTIONS. CONTROLS CONTRACTOR IS TO LABEL EACH CONTACT ENCLOSURE PANEL(ES). CONTROL CONTRACTOR SHALL LABEL EACH CONTACTOR FUNCTION AS WELL AS THE CONTROLLING CIRCUIT(S). THE ELECTRICAL AND CONTROLS CONTRACTORS SHALL COORDINATE THIS SCOPE OF WORK FOR CONTROLS.

ENTRY/OAS LS LIGHT CONTROL SWITCHING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-328

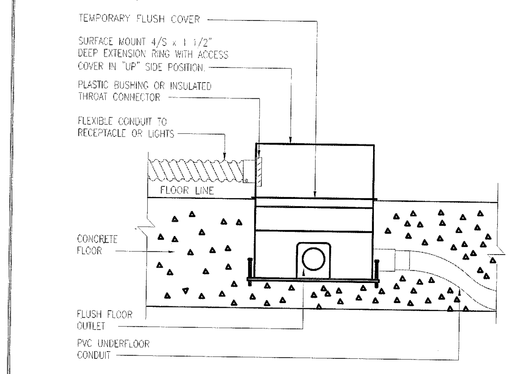
ORIGINAL ISSUE DATE 6/27/06



NOTE: ELECTRICAL CONTRACTOR SHALL PROVIDE PHASE MONITOR AND INSTALL THE CONTACTOR ENCLOSURES. ELECTRICAL CONTRACTOR IS TO LABEL ALL CIRCUIT WIRING COMING INTO THE CONTACT ENCLOSURE. CONTROLS CONTRACTOR SHALL PROVIDE THE CONTACTOR ENCLOSURE AND CONTACTOR ENCLOSURE SCHEDULE WITH PANEL CIRCUITS AND DESCRIPTIONS. CONTROLS CONTRACTOR IS TO LABEL EACH CONTACT ENCLOSURE PANEL(ES). CONTROL CONTRACTOR SHALL LABEL EACH CONTACTOR FUNCTION AS WELL AS THE CONTROLLING CIRCUIT(S). THE ELECTRICAL AND CONTROLS CONTRACTORS SHALL COORDINATE THIS SCOPE OF WORK FOR CONTROLS.

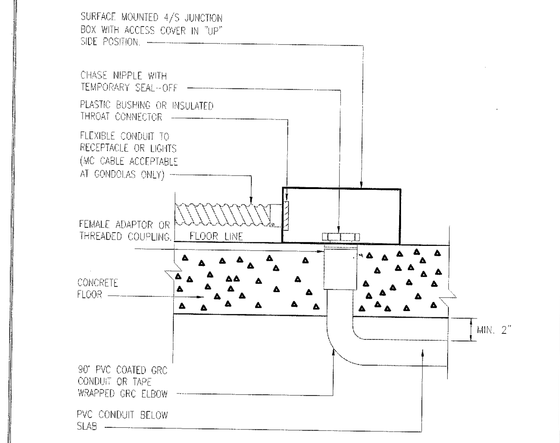
PARKING LOT LIFE SAFETY CONTROL SWITCHING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-329

ORIGINAL ISSUE DATE 6/27/06



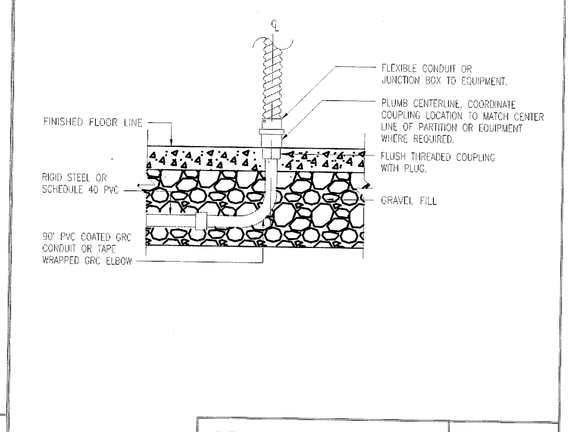
FLEX CONNECTION TO FLUSH FLOOR OUTLET DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-350

ORIGINAL ISSUE DATE 6/27/06



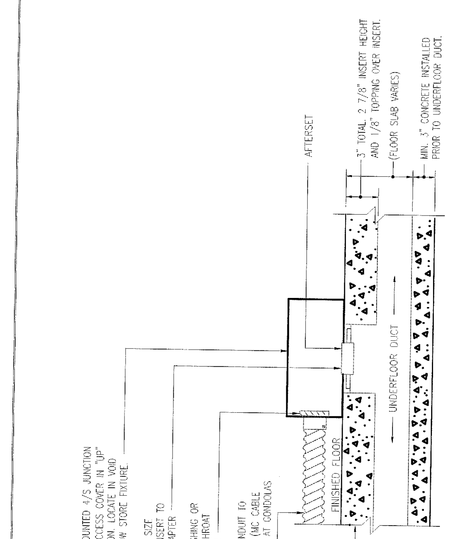
FLEX CONNECTION TO UNDERFLOOR CONDUIT DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-351

ORIGINAL ISSUE DATE 6/27/06



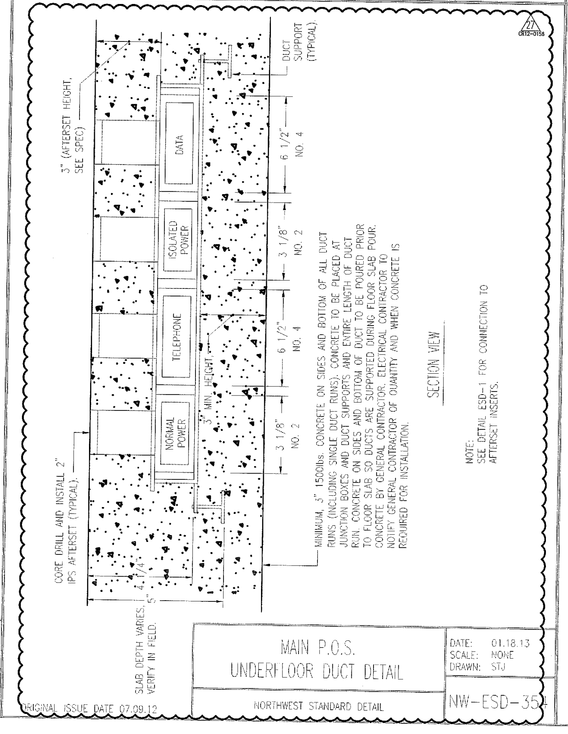
FLEX OR FLUSH CONNECTION TO UNDERFLOOR CONDUIT DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-352

ORIGINAL ISSUE DATE 6/27/06



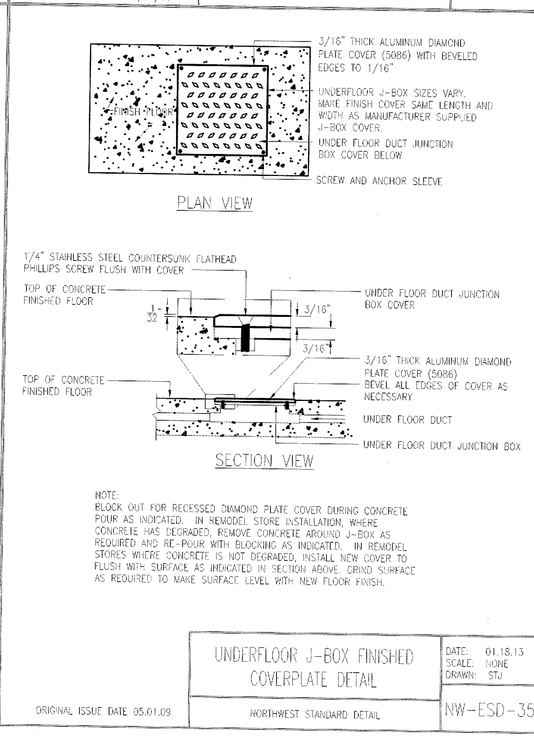
FLEX CONNECTION TO UNDERFLOOR DUCT DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-353

ORIGINAL ISSUE DATE 6/27/06



MAIN P.O.S. UNDERFLOOR DUCT DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-354

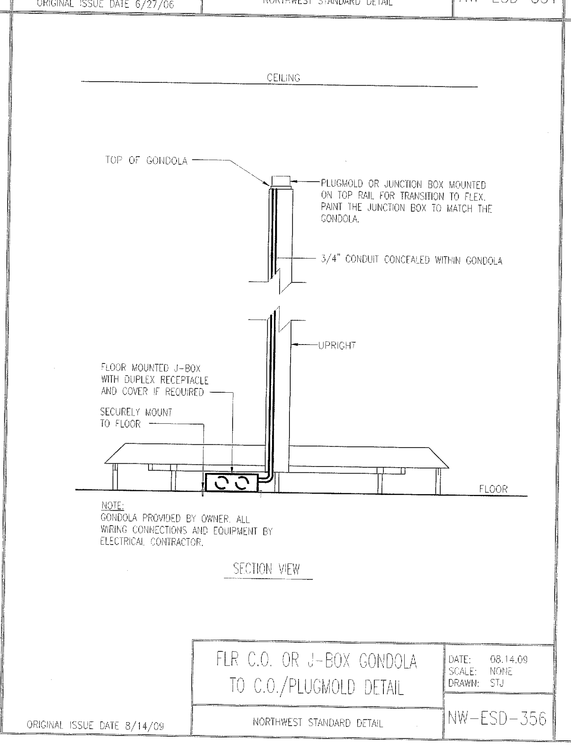
ORIGINAL ISSUE DATE 07.09.12



NOTE: BLOCK OUT FOR RECESSED DIAMOND PLATE COVER DURING CONCRETE POUR AS INDICATED. IN REMODEL STORE INSTALLATION, WHERE CONCRETE HAS DEGRADED, REMOVE CONCRETE AROUND J-BOX AS REQUIRED AND RE-POUR WITH BLOCKING AS INDICATED. IN REMODEL STORES WHERE CONCRETE IS NOT DEGRADED, INSTALL NEW COVER TO FLUSH WITH SURFACE AS INDICATED IN SECTION ABOVE. GRIND SURFACE AS REQUIRED TO MAKE SURFACE LEVEL WITH NEW FLOOR FINISH.

UNDERFLOOR J-BOX FINISHED COVERPLATE DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-355

ORIGINAL ISSUE DATE 05.01.09

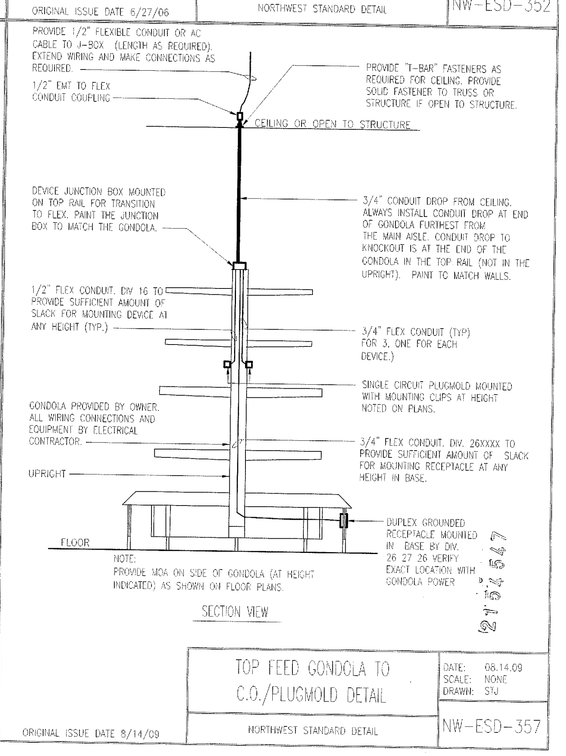


NOTE: GONDOLA PROVIDED BY OWNER. ALL WIRING CONNECTIONS AND EQUIPMENT BY ELECTRICAL CONTRACTOR.

SECTION VIEW

FLR C.O. OR J-BOX GONDOLA TO C.O./PLUGMOLD DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-356

ORIGINAL ISSUE DATE 8/14/09



SECTION VIEW

TOP FEED GONDOLA TO C.O./PLUGMOLD DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-357

ORIGINAL ISSUE DATE 8/14/09

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SHEET TITLE:
ELECTRICAL STANDARD DETAILS SHEET (4 OF 9)

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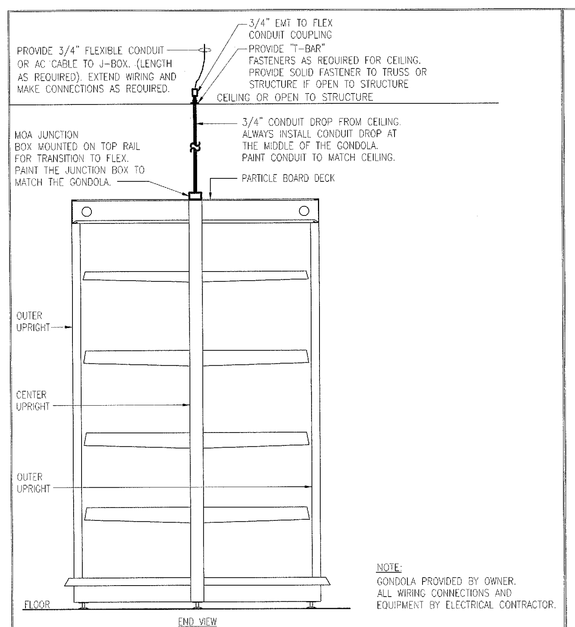
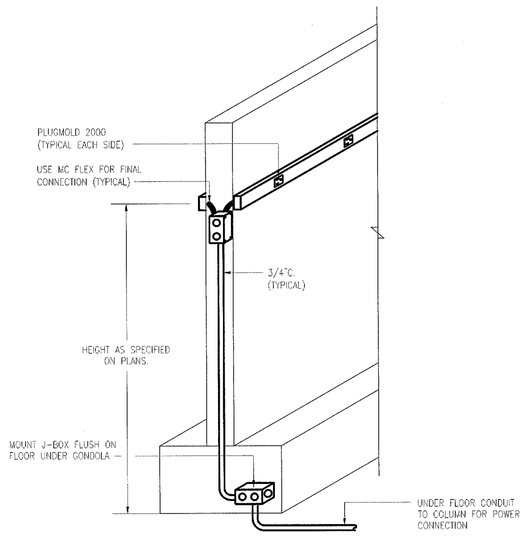
FILE: 172_E5.1 – ELECTRICAL STANDARD DETAILS.DWG – E5.4 ELECTRICAL STANDARD DETAILS SHEET (4 OF 9) | EDIT: 11/18/2015 7:57 AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ



NOTE:
GONDOLA PROVIDED BY OWNER. ALL WIRING CONNECTIONS AND EQUIPMENT BY ELECTRICAL CONTRACTOR.

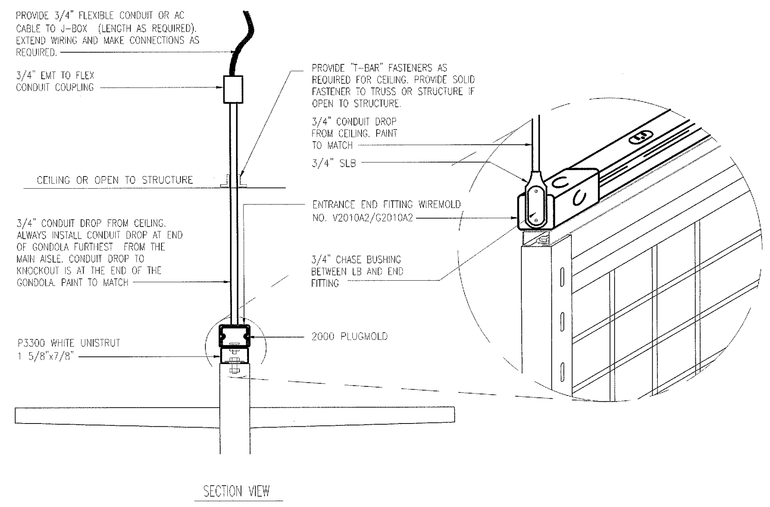
GROCERY ISLE POWER MOUNTING DETAIL	DATE: 07.09.12 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-358

ORIGINAL ISSUE DATE 7/09/12



GONDOLA PLUGMOLD FEED FROM UNDERFLOOR DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-359

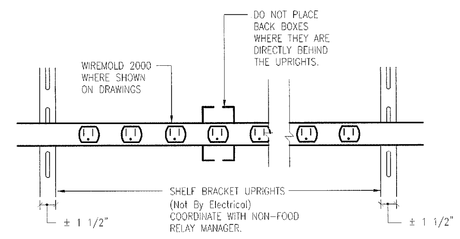
ORIGINAL ISSUE DATE 06.27.06



SECTION VIEW

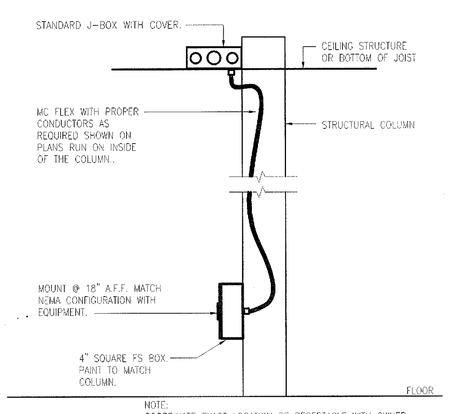
GONDOLA PLUGMOLD SUPPORT MOUNTING DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-360

ORIGINAL ISSUE DATE 8/14/09



P.E.M. PLUGMOLD MOUNTING DETAIL	DATE: 06.11.10 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-361

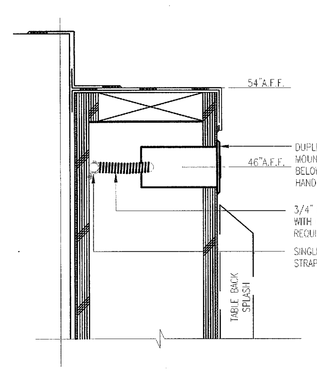
ORIGINAL ISSUE DATE 6/11/10



NOTE:
COORDINATE EXACT LOCATION OF RECEPTACLE WITH OWNER PRIOR TO FINAL ROUGH-IN.

COLUMN RECEPTACLE FOR MERCHICKENDIZER DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-363

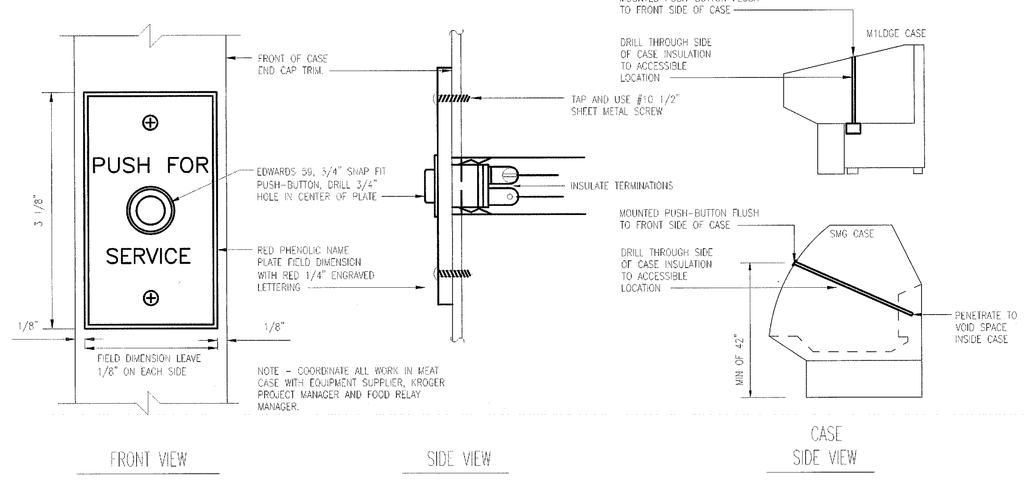
ORIGINAL ISSUE DATE 06.27.06



SECTION VIEW

PREP AREAS DUPLEX OUTLET MOUNTING DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-365

ORIGINAL ISSUE DATE 08.14.09



NOTE - COORDINATE ALL WORK IN MEAT CASE WITH EQUIPMENT SUPPLIER, KROGER PROJECT MANAGER AND FOOD RELAY MANAGER.

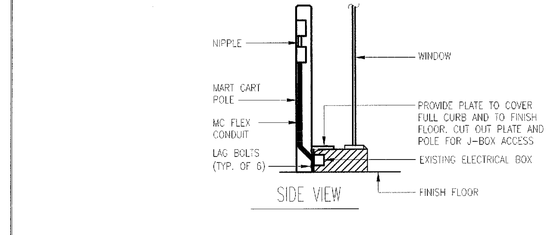
FRONT VIEW SIDE VIEW CASE SIDE VIEW

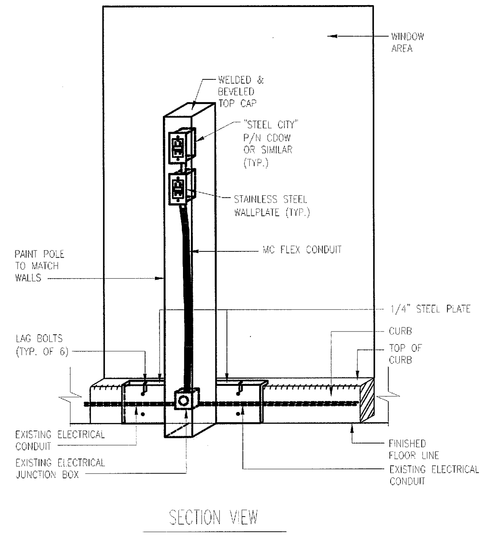
CUSTOMER SERVICE PUSHBUTTON DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-366

ORIGINAL ISSUE DATE 6/27/06

NORTHWEST DECOR DETAILS THAT ARE NOT LONGER USED.

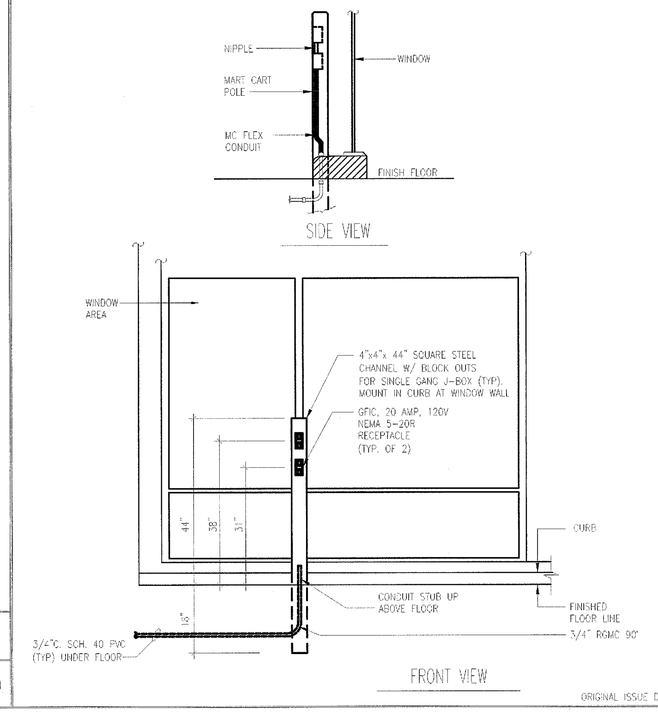
NW-ESD-310
NW-ESD-311
NW-ESD-312
NW-ESD-362





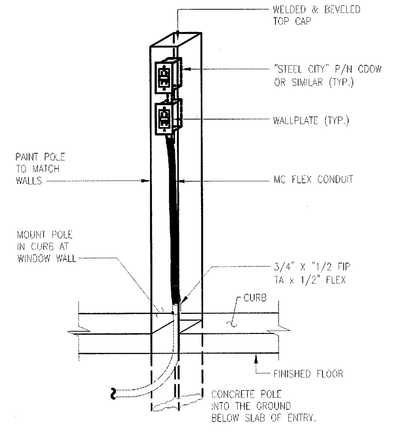
REMODEL-MART CART POLE RECEPTACLE DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-370

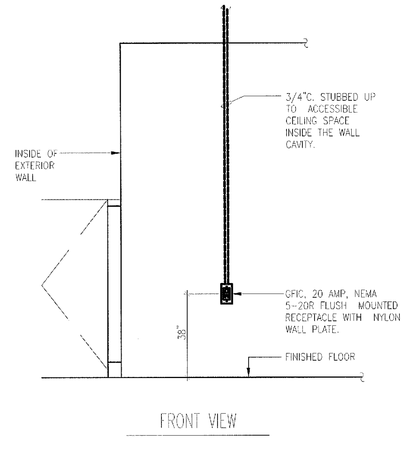
ORIGINAL ISSUE DATE 6/27/06



NEW-MART CART POLE RECEPTACLE DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-371

ORIGINAL ISSUE DATE 6/27/06





MART CART INTERIOR WALL RECEPTACLE DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-372

ORIGINAL ISSUE DATE 6/27/06

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SHEET (5 OF 9)

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CHECKED BY: XXX

SHEET

E5.5

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

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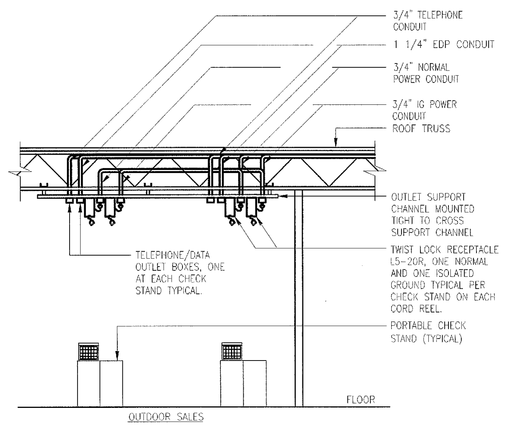
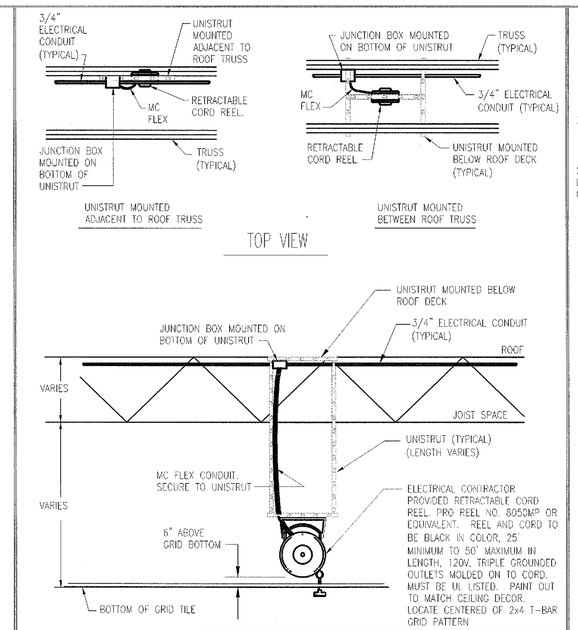


ELEVATION VIEW

OUTSIDE CHECKSTAND AIR SALES DETAIL	DATE: 07.09.12 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-375

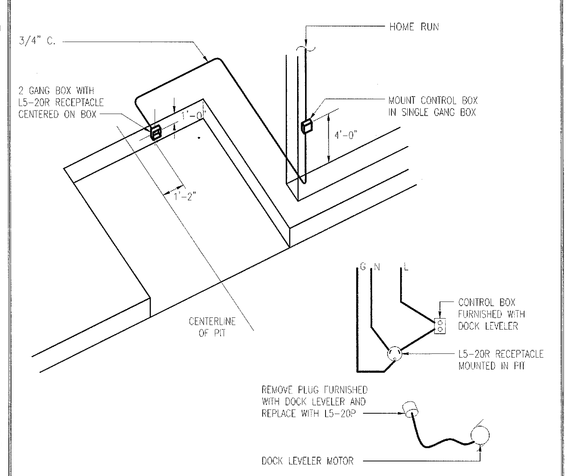
ORIGINAL ISSUE DATE 7/09/12



ELEVATION VIEW

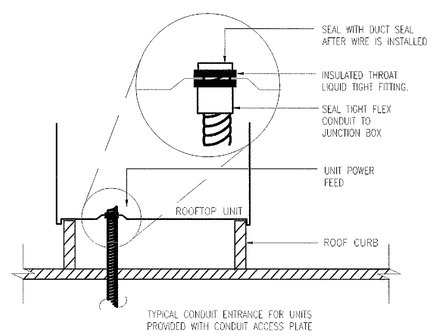
PEM CORD REEL MOUNTING DETAIL	DATE: 10.07.09 SCALE: NONE DRAWN: RJB/stj
NORTHWEST STANDARD DETAIL	NW-ESD-376

ORIGINAL ISSUE DATE 10/07/09



DOCK LEVELER	DATE: 11.21.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-377

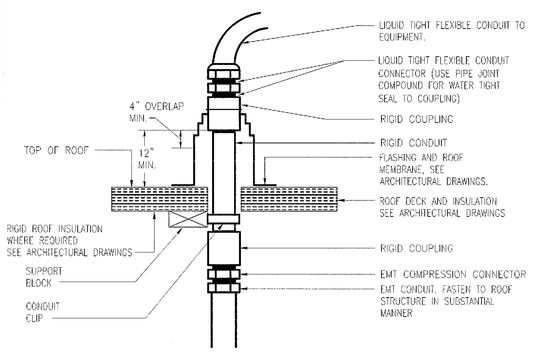
ORIGINAL ISSUE DATE 11/21/06



SECTION VIEW

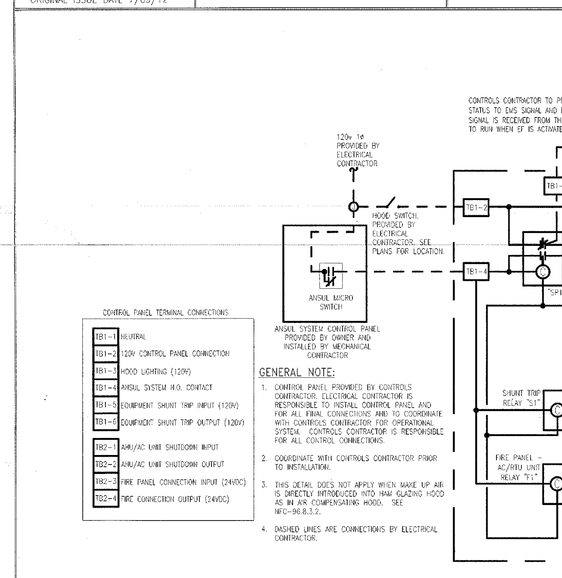
CONDUIT TO ROOF TOP EQUIPMENT CONNECTION DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-378

ORIGINAL ISSUE DATE 6/27/06



CONDUIT THROUGH THE ROOF CONNECTION DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-379

ORIGINAL ISSUE DATE 6/27/06



CONTROL PANEL TERMINAL CONNECTIONS

TB1-1	NEUTRAL
TB1-2	120V CONTROL PANEL CONNECTION
TB1-3	HOOD LIGHTING (120V)
TB1-4	ANGUL SYSTEM N.O. CONTACT
TB1-5	EQUIPMENT SHUNT TRIP INPUT (120V)
TB1-6	EQUIPMENT SHUNT TRIP OUTPUT (120V)
TB2-1	ANGUL/AC UNIT SHUTDOWN INPUT
TB2-2	ANGUL/AC UNIT SHUTDOWN OUTPUT
TB2-3	FIRE PANEL CONNECTION INPUT (24VDC)
TB2-4	FIRE CONNECTION OUTPUT (24VDC)

GENERAL NOTE:

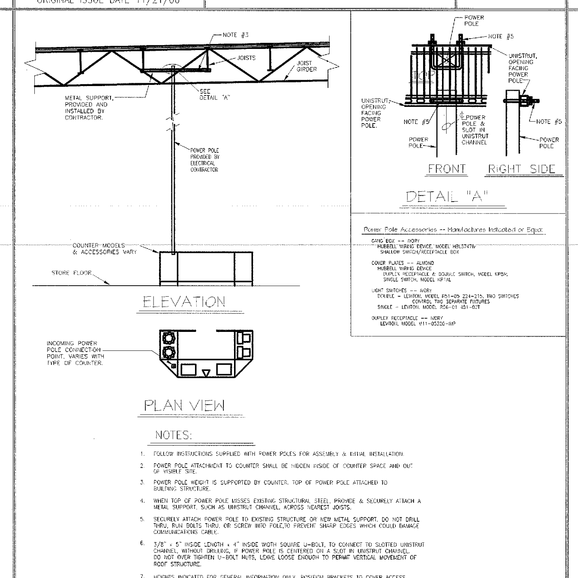
1. CONTROL PANEL PROVIDED BY CONTROLS CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INSTALL CONTROL PANEL AND FOR ALL FINAL CONNECTIONS AND TO COORDINATE WITH CONTROLS CONTRACTOR FOR OPERATIONAL SYSTEM. CONTROLS CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL CONNECTIONS.
2. COORDINATE WITH CONTROLS CONTRACTOR PRIOR TO INSTALLATION.
3. THIS DETAIL DOES NOT APPLY WHEN MAKE UP AIR IS DIRECTLY INTRODUCED INTO HAM GLAZING HOOD AS IN AIR COMPENSATING HOOD. SEE NFD-36.8.2.2.
4. DASHED LINES ARE CONNECTIONS BY ELECTRICAL CONTRACTOR.

SEQUENCE OF OPERATION

1. HOOD CONTROL PANEL IS TURNED ON WHICH ENERGIZES HVAC THROUGH CONTROLS AND HOOD LIGHTS.
2. ANGUL SYSTEM IS ENERGIZED WHICH ACTIVATES ANTARI RELAY. ANTARI RELAY DE-ENERGIZES HOOD LIGHTS AND ALL EQUIPMENT UNDER HOOD. ANGUL RELAY WILL NOT DE-ENERGIZE HOOD EXHAUST FAN. IT WILL CONTINUE TO RUN. MAKE-UP AIR UNIT AND ROOF TOP UNIT WILL BE SHUT DOWN.
3. ANGUL SYSTEM RELAY PROVIDES CLOSED CONTACT TO FIRE ALARM SYSTEM CONTROL PANEL THROUGH THE "F1" RELAY.

HAM GLAZING HOOD CONTROL WIRING DETAIL	DATE: 08.14.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-380

ORIGINAL ISSUE DATE 8/14/09

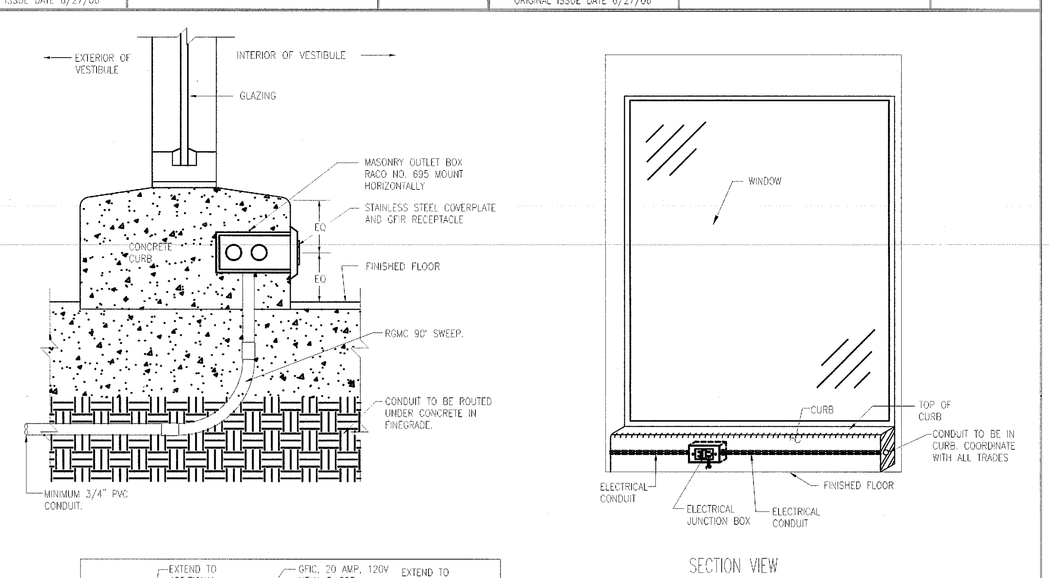


NOTES:

1. FOLLOW INSTRUCTIONS SUPPLIED WITH POWER POLES FOR ASSEMBLY & RISER INSTALLATION.
2. POWER POLE ATTACHED AT TO COUNTER SHALL BE 18GGN MINIMUM OF COUNTER SPACE AHEAD OUT OF POWER TYPE.
3. POWER POLE WEIGHT IS SUPPORTED BY COUNTER. TOP OF POWER POLE ATTACHED TO BUILDING STRUCTURE.
4. WHEN TOP OF POWER POLE MISSES EXISTING STRUCTURAL STEEL, PROVIDE A SECURELY ATTACH A METAL SUPPORT SUCH AS UNISTRUT CHANNEL, ACROSS NEAREST JOISTS.
5. SECURELY ATTACH POWER POLE TO EXISTING STRUCTURE OF NEW METAL SUPPORT. DO NOT DRILL THRU RUN BOLTS THRU, OR SCREW INTO FASCIA FINISH GRAIN COLES WHICH FOUR RAMPLE CONSCIENTIOUS CARE.
6. 5/8" - 5" INSIDE DIAMETER x 4" INSIDE WITH SQUARE UNBOLT, TO CONNECT TO SLOTTED UNISTRUT CHANNEL. WITHOUT DRILLING. IF POWER POLE IS COVERED ON A SLAT IN ARCHITECT CHANNEL, USE 5/8" - 5" INSIDE DIAMETER (1-3/4" NUT), LONG LOOSE ENOUGH TO PERMIT VERTICAL MOVEMENT OF ROOF STRUCTURE.
7. HOOKETS PROVIDED FOR GENERAL INFORMATION ONLY. POSITION BRACKETS TO COVER ACCESS HOLES AS SOON AS POSSIBLE.
8. POWER POLE METAL SUPPORT, GRIMAR HI-BOLT AND ATTACHMENT HARDWARE SUPPLIED BY CONTRACTOR ALL COUNTER COMPONENTS SUPPLIED BY OWNER.

COUNTER POWER POLE INSTALLATION	DATE: 10.30.09 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-381

ORIGINAL ISSUE DATE 10/30/09

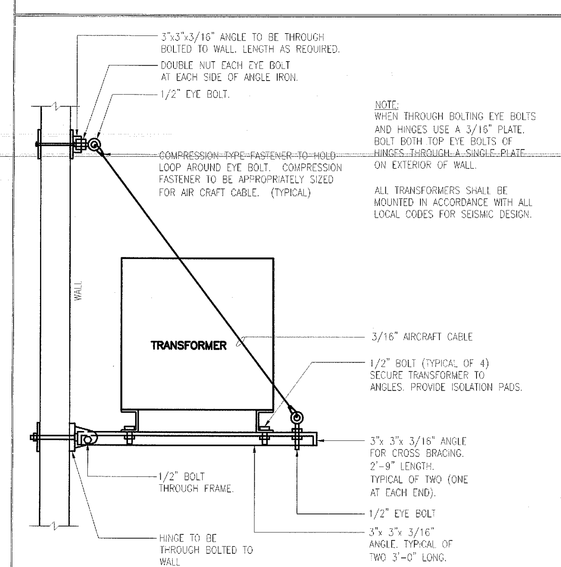


FRONT VIEW

SECTION VIEW

CURB RECEPTACLE DETAIL	DATE: 11.28.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-382

ORIGINAL ISSUE DATE 11/28/11

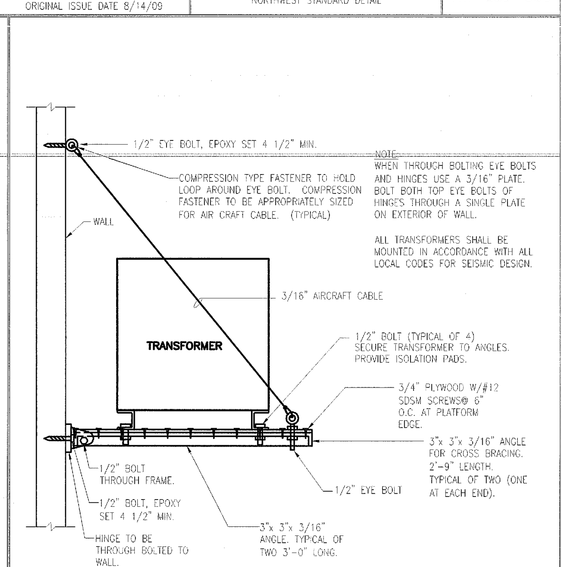


SECTION VIEW

FOR 75KVA AND BELOW

TRANSFORMER-PLATFORM MOUNTING DETAIL FOR CMU/TILT WALL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-390

ORIGINAL ISSUE DATE 6/27/06

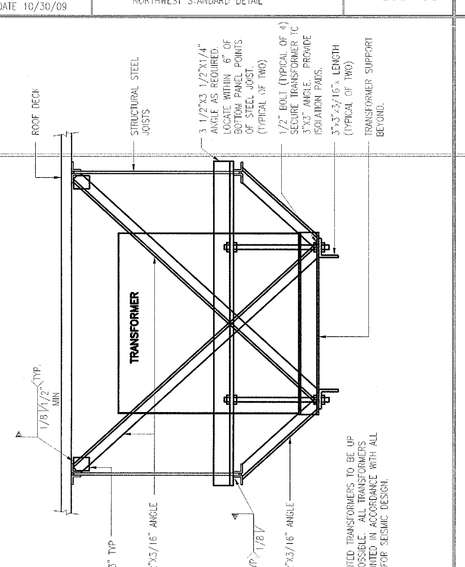


SECTION VIEW

FOR 75kVA AND BELOW

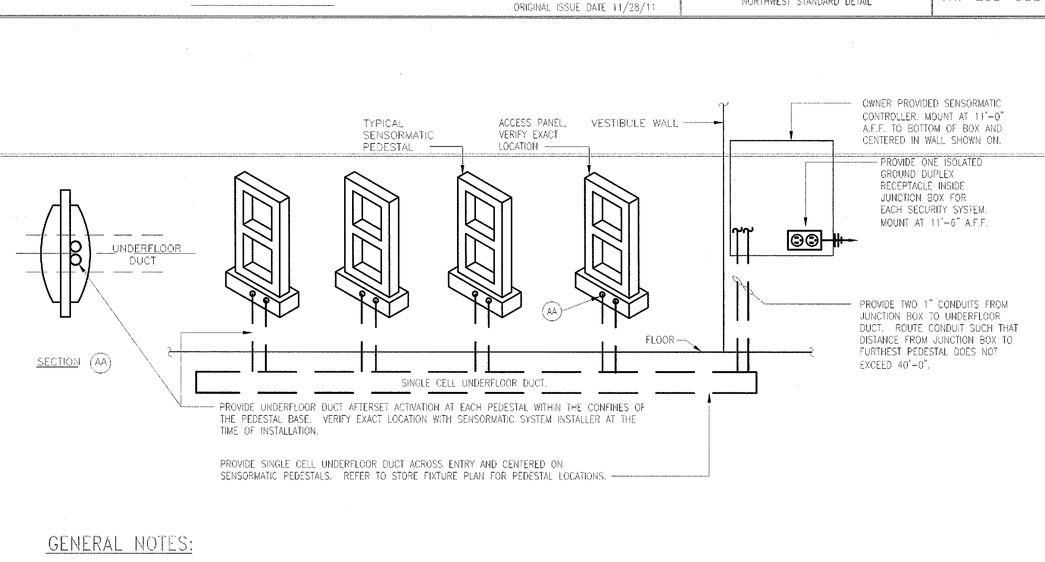
TRANSFORMER-PLATFORM MOUNTING DETAIL FOR STUD WALL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-391

ORIGINAL ISSUE DATE 6/27/06



TRANSFORMER - TRAPEZE MOUNTING DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-392

ORIGINAL ISSUE DATE 6/27/09



GENERAL NOTES:

1. ENSURE THAT THERE ARE NO METAL STUDS WITHIN 1'-0" OF SENSORMATIC PEDESTAL. ENSURE THAT THERE ARE NO TELEVISION MONITORS, CASH REGISTERS OR BAGGED MERCHANDISE WITHIN 6'-0" LATERALLY OR DIRECTLY ABOVE PEDESTALS. ENSURE THAT THERE ARE NO NEON TRANSFORMERS OR FLUORESCENT BALLASTS WITHIN 8'-0" OF PEDESTALS OR TRANSMITTER/RECEIVER EQUIPMENT.
2. ALARM DEVICES AND CABLING ARE BY SECURITY CONTRACTOR.
3. SENSORMATIC DUCT TO BE PLACED (CENTERED) 18" FROM CENTER OF DOOR AT BOTH MAIN ENTRANCES.

SENSORMATIC SECURITY PEDESTALS FLOOR DUCT DETAIL	DATE: 11.14.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-400

ORIGINAL ISSUE DATE 11/14/11

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DAVID N. CHRISTENSEN
EXPIRES: 12/31/15
12/15/15

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL STANDARD DETAILS

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CITY OF KENT
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SHEET (6 OF 9)

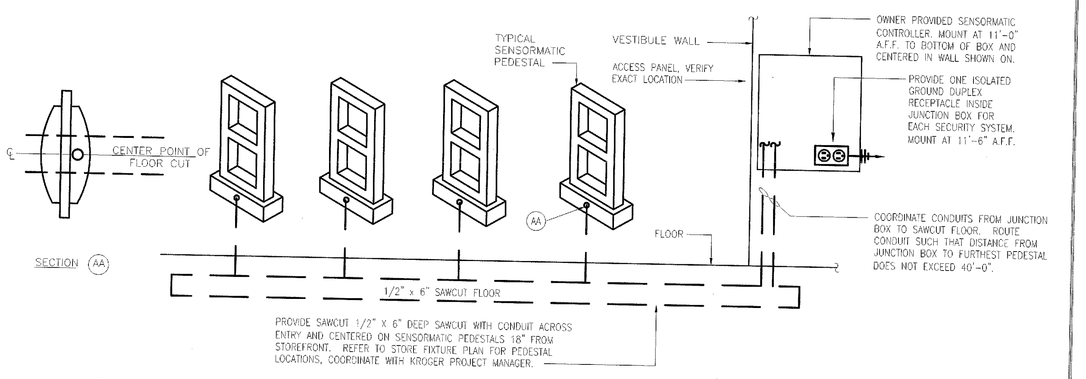
DRAWN BY: XXX
CHECKED BY: XXX

SHEET
E5.6

JOB NO. 215034600.00

FILE: 172_E5.1 – ELECTRICAL STANDARD DETAILS.DWG – E5.6 ELECTRICAL STANDARD DETAILS SHEET (6 OF 9) | EDIT: 11/18/2015 7:57 AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ

PERMIT SET: DECEMBER 21, 2015

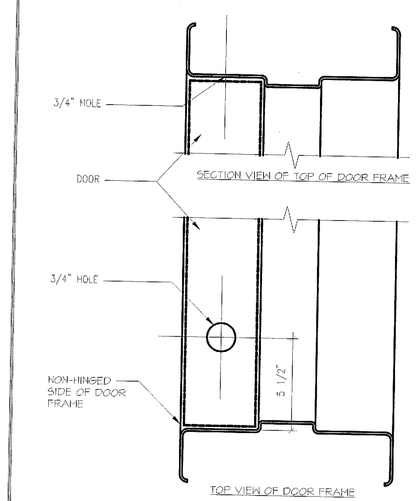


GENERAL NOTES:

1. ENSURE THAT THERE ARE NO METAL STUDS WITHIN 1'-0" OF SENSORMATIC PEDESTAL. ENSURE THAT THERE ARE NO TELEVISION MONITORS, CASH REGISTERS OR TAGGED MERCHANDISE WITHIN 6'-0" LATERALLY OR DIRECTLY ABOVE PEDESTALS. ENSURE THAT THERE ARE NO NEON TRANSFORMERS OR FLUORESCENT BALLASTS WITHIN 8'-0" OF PEDESTALS OR TRANSMITTER/RECEIVER EQUIPMENT.
2. ALARM DEVICES AND CABLING ARE BY SECURITY CONTRACTOR.
3. SENSORMATIC DUCT TO BE PLACED (CENTERED) 18" FROM CENTER OF DOOR AT BOTH MAIN ENTRANCES.

SENSORMATIC SECURITY PEDESTALS SAWCUT DETAIL	DATE: 11.14.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-401

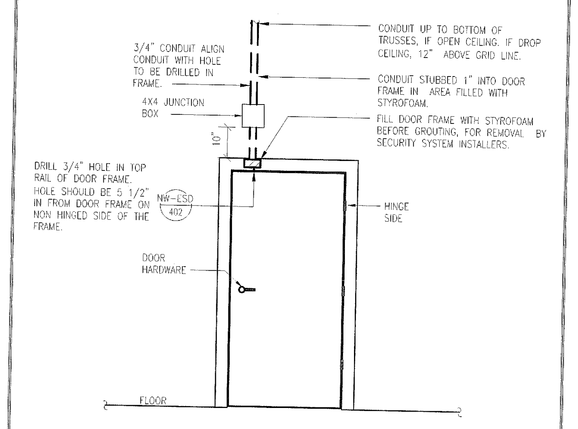
ORIGINAL ISSUE DATE 11/14/11



SECURITY DOOR FRAME MODIFICATION

DOOR FRAME MODIFICATION FOR SECURITY DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-402

ORIGINAL ISSUE DATE 06.27.06

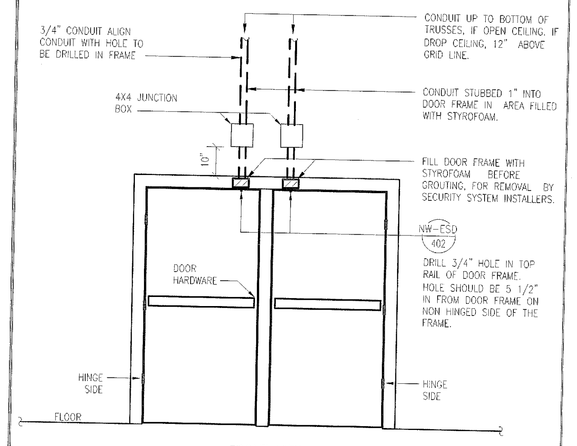


FRONT VIEW

NOTE:
ROUGH-IN DOOR HEADER CONDUIT PRIOR TO INSTALLATION OF DOOR FRAME.

SINGLE MAN DOOR FOR SECURITY DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-403

ORIGINAL ISSUE DATE 06.27.06

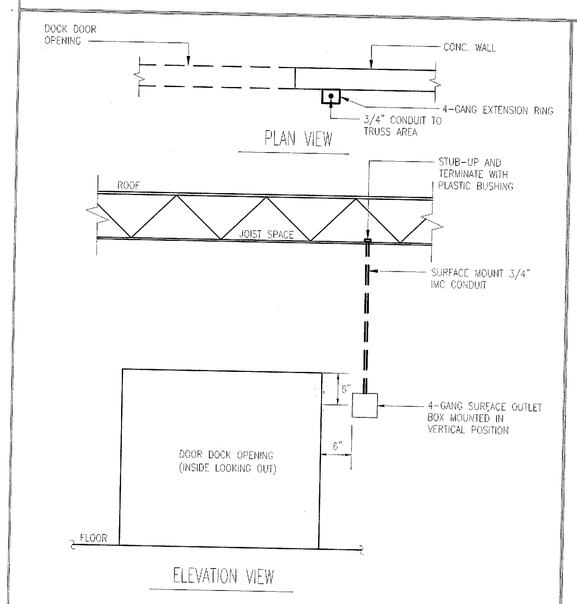


FRONT VIEW

NOTE:
ROUGH-IN DOOR HEADER CONDUIT PRIOR TO INSTALLATION OF DOOR FRAME.

DOUBLE MAN DOOR FOR SECURITY DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-404

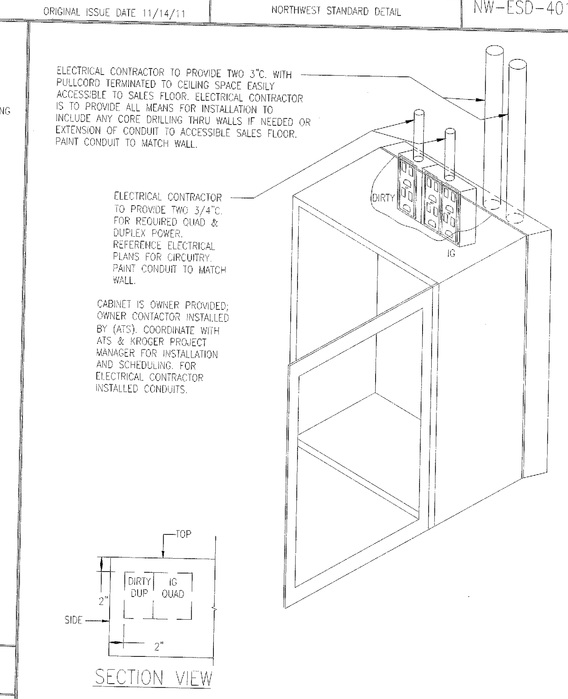
ORIGINAL ISSUE DATE 06.27.06

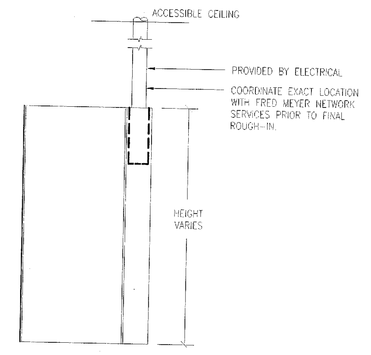


ELEVATION VIEW

DOCK DOOR FOR SECURITY DETAIL	DATE: 06.27.06 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-405

ORIGINAL ISSUE DATE 6/27/06

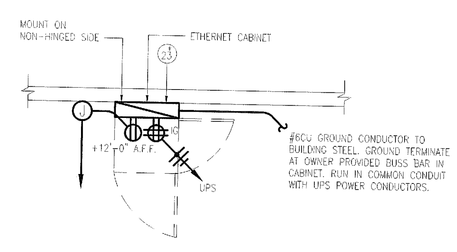




ELEVATION VIEW

ETHERNET CABINET MOUNTING DETAIL	DATE: 11.14.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-406

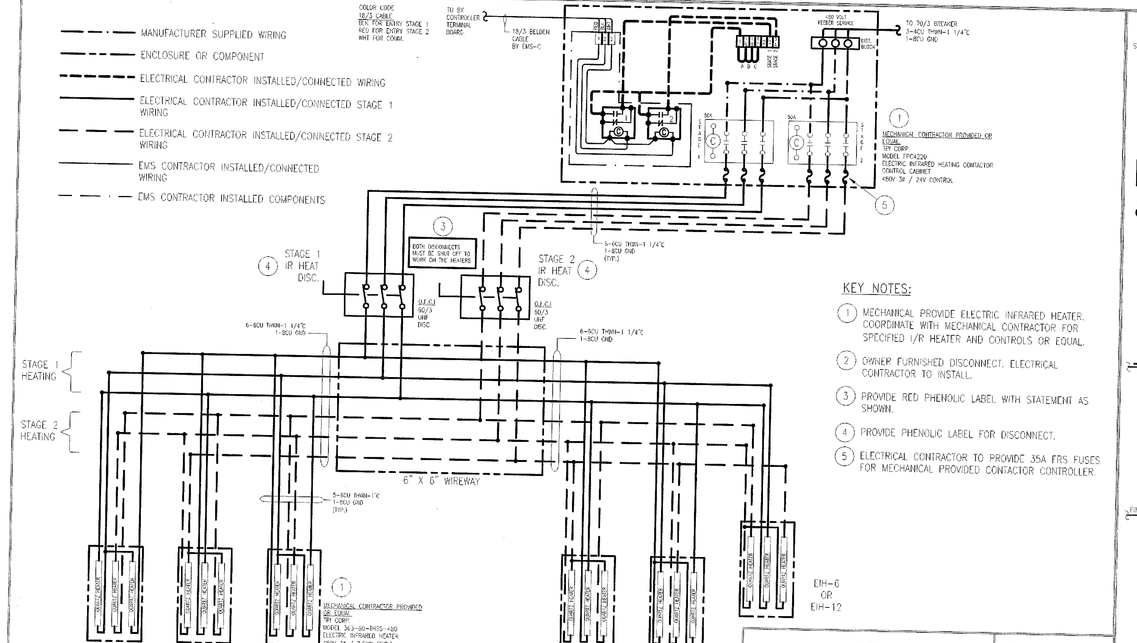
ORIGINAL ISSUE DATE 6/27/09



* SEE POWER PLANS FOR KEYNOTE DESCRIPTIONS.

ETHERNET CABINET ELECTRICAL- DETAIL	DATE: 11.14.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-407

ORIGINAL ISSUE DATE 6/27/09

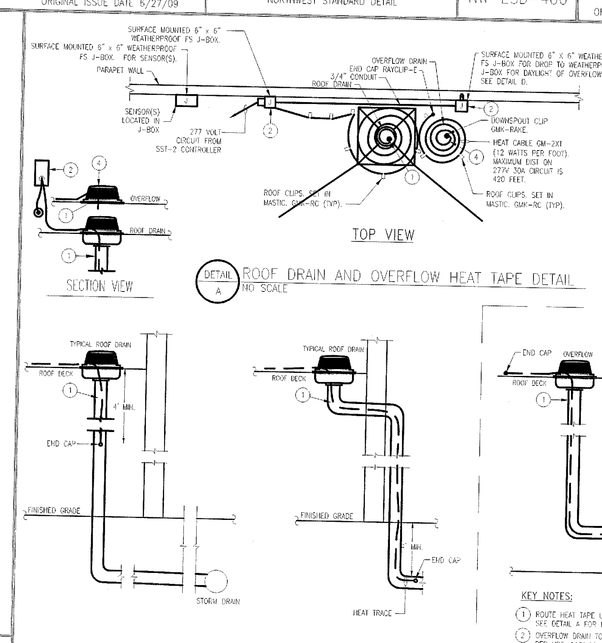


KEY NOTES:

1. MECHANICAL PROVIDE ELECTRIC INFRARED HEATER; COORDINATE WITH MECHANICAL CONTRACTOR FOR SPECIFIED I/R HEATER AND CONTROLS OR EQUAL.
2. OWNER FURNISHED DISCONNECT. ELECTRICAL CONTRACTOR TO INSTALL.
3. PROVIDE RED PHENOLIC LABEL WITH STATEMENT AS SHOWN.
4. PROVIDE PHENOLIC LABEL FOR DISCONNECT.
5. ELECTRICAL CONTRACTOR TO PROVIDE 35A FUSES FOR MECHANICAL PROVIDED CONTACTOR CONTROLLER.

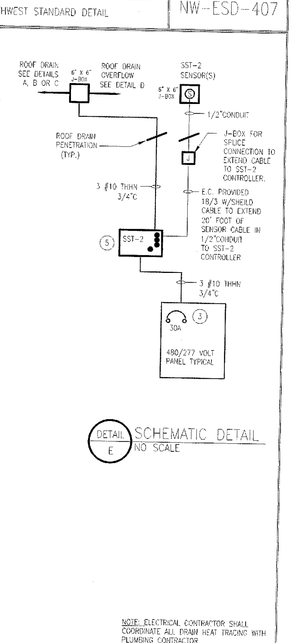
INFRARED HEATER WIRING & CONTROL DETAIL	DATE: 07.09.12 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-ESD-409

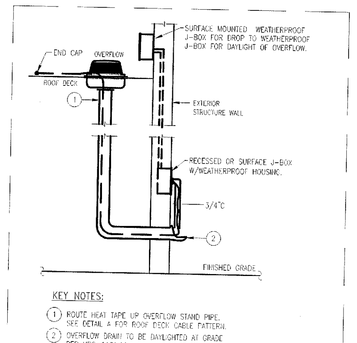
ORIGINAL ISSUE DATE 7/09/12



KEY NOTES:

1. HEAT TAPE SHALL RUN DOWN INSIDE THE ROOF DRAIN PIPE AND TERMINATE AT 4'-0" INSIDE THE CONDITIONED BUILDING. (SEE DETAIL B) IF THE ROOF DRAIN DOES NOT ROUTE THROUGH THE CONDITIONED BUILDING, THE HEAT TAPED SHALL RUN DOWN TO A 4'-0" BELOW GRADE OR TO DAYLIGHT. (SEE DETAIL C)
2. MOUNT 6" x 6" JUNCTION BOX AT +18" ABOVE ROOF ON PARAPET OR STEM WALL. MOUNT AT +18" ABOVE FINISH DECK WITH LINESPLIT IF NO PARAPET WALL. PROVIDE 277 VOLTS FOR CIRCUIT.
3. ROOF DRAIN CIRCUIT TO BE PROTECTED BY A 30 AMP SINGLE POLE BREAKER.
4. ROUTE HEAT TAPE DOWN OVERFLOW 90 DAYLIGHT AND BACK UP WALL TO POWER TERMINATION. (SEE DETAIL D)
5. ELECTRICAL CONTRACTOR PROVIDED ER SSX-2 CONTROLLER. LOCATED INSIDE THE BUILDING AS SHOWN ON THE PLANS.





KEY NOTES:

1. ROUTE HEAT TAPE UP OVERFLOW STAND PIPE. SEE DETAIL A FOR ROOF DECK CABLE PATTERN.
2. OVERFLOW DRAIN TO BE DAYLIGHTED AT GRADE PER UPC-1101.11

LOWER 48 STATES ROOF DRAIN & OVERFLOW HEAT TAPE DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: ST2
NORTHWEST STANDARD DETAIL	NW-ESD-410

ORIGINAL ISSUE DATE 12/10/08

NOTE: ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ROOF HEAT TRACING WITH PLUMBING CONTRACTOR.

FILE: 172_ES.1 – ELECTRICAL STANDARD DETAILS.DWG – ES.7 ELECTRICAL STANDARD DETAILS SHEET (7 OF 9) | EDIT: 11/18/2015 7:57 AM BY LORENAR | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ

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REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ELECTRICAL STANDARD DETAILS

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SHEET (7 OF 9)

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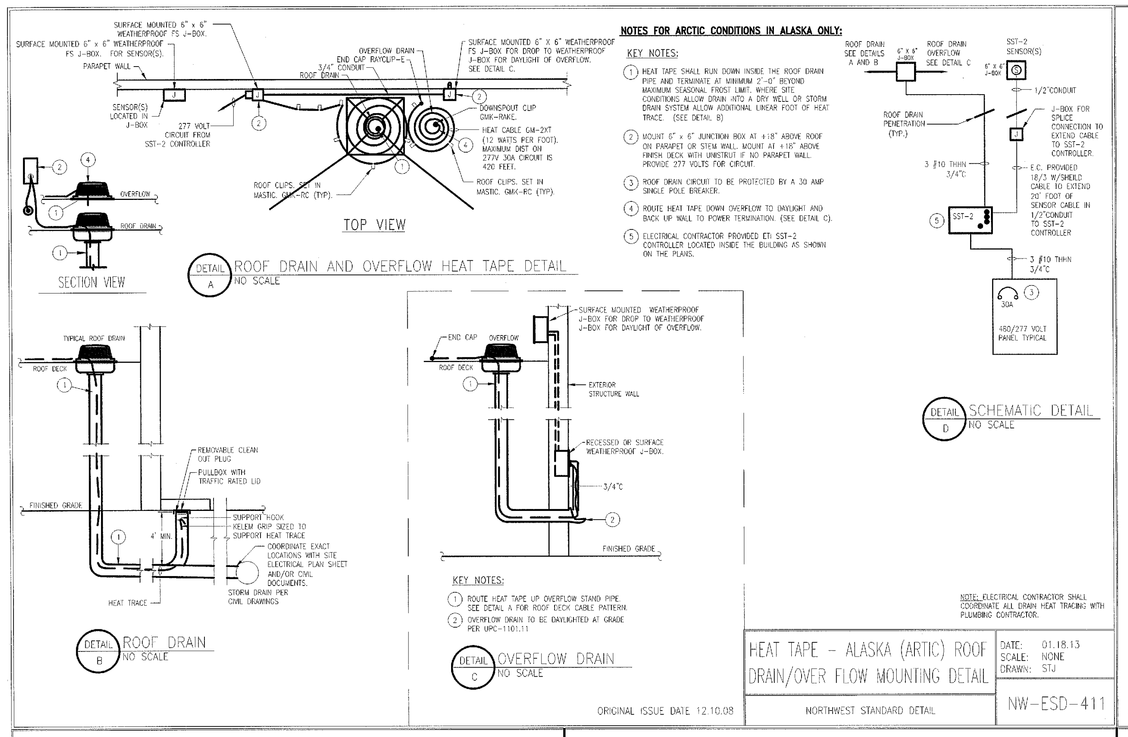
CHECKED BY: XXX

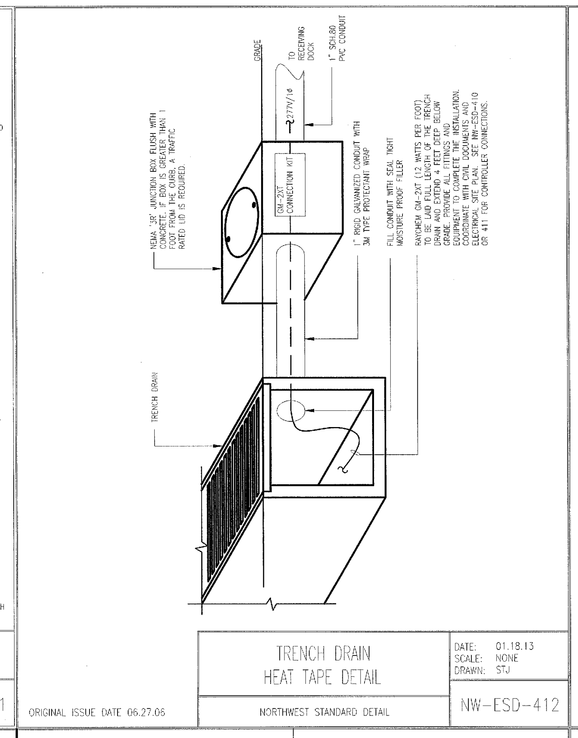
SHEET
E5.7

JOB NO. 215034600.00



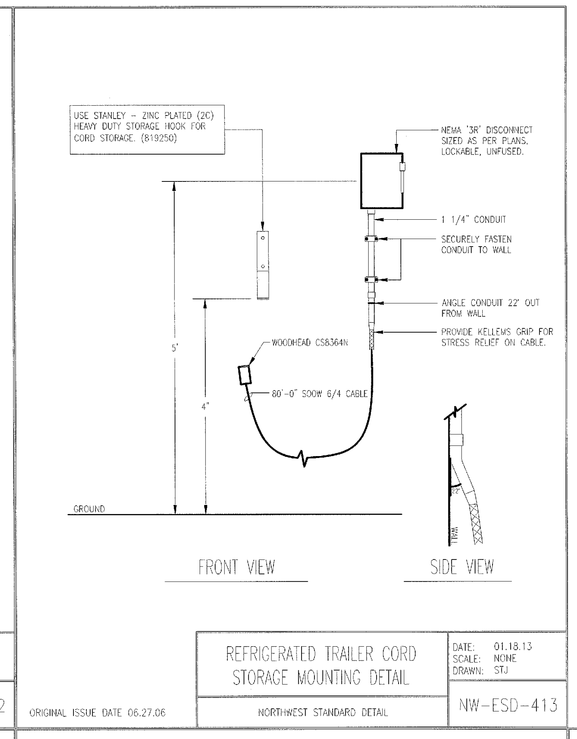
HEAT TAPE – ALASKA (ARTIC) ROOF DRAIN/OVER FLOW MOUNTING DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ	
NORTHWEST STANDARD DETAIL	NW-ESD-411	

ORIGINAL ISSUE DATE 12.10.08



TRENCH DRAIN HEAT TAPE DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ	
NORTHWEST STANDARD DETAIL	NW-ESD-412	

ORIGINAL ISSUE DATE 06.27.06



REFRIGERATED TRAILER CORD STORAGE MOUNTING DETAIL	DATE: 01.18.13 SCALE: NONE DRAWN: STJ	
NORTHWEST STANDARD DETAIL	NW-ESD-413	

ORIGINAL ISSUE DATE 06.27.06

Kroger Installation Specifications for Watt Stopper Motion Sensors on Hussmann Cases

Scope

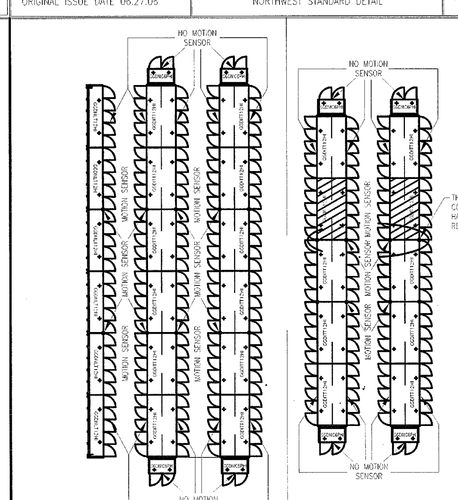
Kroger will be adding motion sensors to the top of the glass door cases with LED lighting for additional case lighting control. A motion sensor will generally control LED lighting for two cases. Motion sensors are not to be used on cases along a wall, at the ends of aisles or on glass door cases that can be seen without walking into the aisle.

General Notes

1. Kroger shall provide the motion sensors, power packs, connection cables for the motion sensor and shielded RJ-45 couplers.
2. Electrical Contractor shall supply all necessary fasteners, grommets, sealants and any additional wiring.
3. Electrical Contractor shall be responsible for the proper disposal of all scrap wire and any other items associated with this installation.
4. All work to meet applicable building and electrical codes.
5. All work to be conducted in accordance with all OSHA standards and shall insure the safety of Kroger Employees, contractors and customers at all times.
6. Override any case lighting control at the building controller for the duration of this installation. This override is to be removed after the installation is completed.
7. All motion sensors to be set to the maximum sensitivity and to a 2 minute delay. Refer to the printed diagram on the back of each motion for proper dip switch settings.
8. Location of the motion sensors are to be determined and marked by the Kroger Project Manager (KPM). Generally the motion sensor should be placed at a case joint. Some circumstances will require the motion sensor to be mounted directly above a case mullion that is not at a case joint. Motion sensors should be installed directly across the aisle from one another. This will ensure that lighting on both sides of the aisle come on at the same time. (See NW-EISD1 – Installation Guidelines)

Installation Specifications

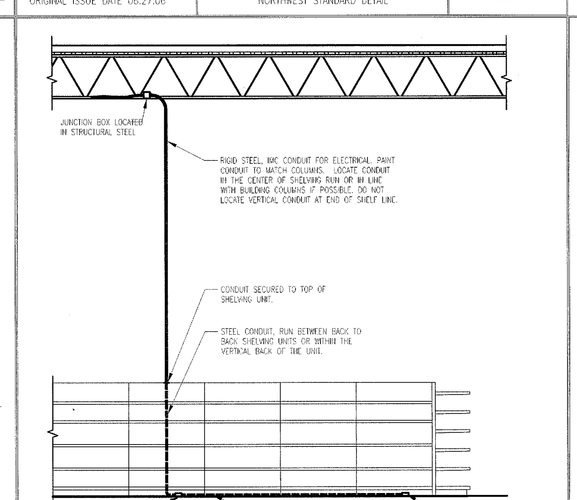
1. Determine which cases are controlled by which lighting circuit. Verify that no in-line cases are on the same circuit as the end case of that row. Insure that stand-alone cases and end cases are not controlled by the motion sensor.
2. Electrical Contractor shall turn off power to the case lighting at the main breaker panel before performing any work.
3. Electrical Contractor shall remove the case bumper and the electrical wiring channel cover (kick rail).
4. From inside the case Electrical Contractor shall drill a 1/2" hole up through the top of the case behind the mullion that is below the location for the motion sensor. Install grommets in the holes to protect the motion sensor cable. The hole should be positioned just in front of the upper honeycomb taking care not to damage the honeycomb and just to the side of the LED light. Insure that the product in the case and the case return air grill are covered to protect from any debris.
   NOTE: Drill a 1/8" pilot hole from inside to the top of the case and then enlarged to 1/2".
5. Energy Management System Contractor shall check the dip switch in the motion sensor for the proper settings which should be maximum sensitivity and 2 minutes of time delay. The dip switch settings should be 1 and 3 ON, 2 and 4 OFF.
6. Energy Management System Contractor shall mount motion sensor to the top of the case using three #8x1/2"screws. Mount sensor to one side of the case joint. The front of the motion sensor mounting bracket should be flush with the front of the case so that the motion sensor lens is out past the front of the case.
7. Located at the case joint are holes in the wiring channel (kick rail) into the case return air channel and covered only by the case insulation. Electrical Contractor shall drill through the insulation in the hole closest to the mullion under the motion sensor. NOTE: If the motion sensor is not located at a case joint drill a 1/2" hole through the wireway and insulation into the case return air channel below the mullion and motion sensor.
8. Energy Management System Contractor shall feed one end of the motion sensor cable up through the hole in the top of the cassette and connect it to the motion sensor. Electrical Contractor shall seal the hole at the top of the case from both inside and out with duct seal or silicon.
9. Energy Management System Contractor shall remove the LED fixture from the three clips closest to the vertical run of the sensor cable. Place the motion sensor cable behind the LED fixture and snap fixture back into the clips.
10. Energy Management System Contractor shall feed the other end through the case return air grill directly above the hole in the wireway and feed the end through that hole. Electrical Contractor shall seal the hole in the wire way with duct seal or silicon.
11. Electrical Contractor shall place the power supply inside the wire raceway at the case. Fasten power supply in wireway with two wire straps.
12. Each case has a switch that is used to turn off power to the LED light fixture. The switch is connected to Terminal 17 of the case terminal block. Electrical Contractor shall cut the wire coming from Terminal 17 going to the door switch. Connect the black and one of the red relay leads of the motion sensor power pack to Terminal 17. Connect the other red lead of the motion sensor power pack to the other end of the line that goes to the case door switch. Connect the white lead of the motion sensor power pack to the neutral side of the case light power feed of Terminal 20.
13. Energy Management System Contractor shall connect the motion sensor connector cable to the motion sensor power pack using Watt Stopper part FS-C5 Shielded RJ45 Female to Female Coupler. DO NOT cut or splice the connector cable. This will cause the sensor to malfunction. DO NOT use a standard Cat5 computer network cable. This will cause the motion sensor to function erratically.
14. Electrical Contractor shall apply power to the case lighting circuit. The motion sensors will begin to function properly after a 15 to 30 second warm up. Energy Management System Contractor shall test motion sensor function and time delay. The green LED located at the bottom of the motion sensor will light whenever motion is sensed.
15. Electrical Contractor shall insure that all holes are sealed with duct seal or silicon.
16. Electrical Contractor shall replace wiring channel cover (kick rail) and case bumper.



NOTES:
1. EACH MOTION SENSOR SHALL CONTROL 2 CASES MAXIMUM. WHEN AN ODD NUMBER OF CASES ARE IN ONE ROW MOTION SENSOR ARE TO CONTROL ONLY ONE CASE. SEE TYPICAL – B.
2. MOTION SENSORS SHALL ONLY BE USED ON CASES IN AN AISLE. NO MOTION SENSORS ARE TO BE PLACED ON END CASES, END CAPS, DAIRY DOORS, ANYWHERE CASES, ETC.
3. MOTION SENSORS SHALL BE SPACED SO ONE SIDE OF THE OTHER OF THE CASE JOINT.
4. CONTACT SUPPLIER ITEMS WATT STOPPER MOTION SENSOR KIT #WSD NUMBER K-DW1707. KIT INCLUDES (1) POWER SUPPLY, (1) MOTION SENSOR, (1) 10' SHIELDED CABLE (1) CONNECTOR AND (1) SPLITTER.
5. REFER TO KROGER INSTALLATION SPECIFICATIONS FOR WATT STOPPER MOTION SENSOR FOR ADDITIONAL INSTALLATION INFORMATION.

BASED ON WATT STOPPER MOTION SENSOR MODEL NO. FS-705.

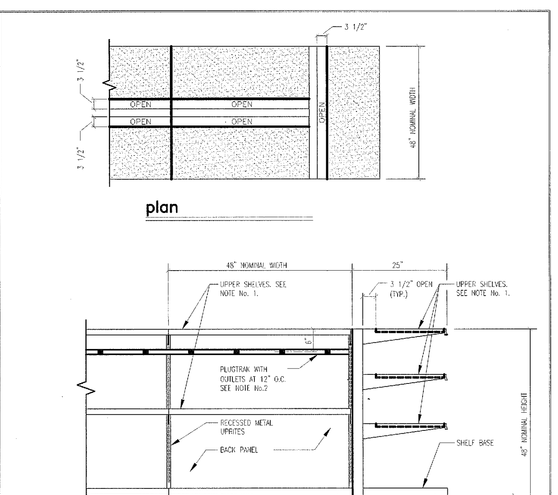
WATT STOPPER MOTION SENSOR	DATE: 07.20.11 SCALE: NONE DRAWN: STJ	
INSTALLATION GUIDELINES	NW-EISD1	



NOTES:
1. DASHED LINES INDICATE HIDDEN CONDUIT IN SHELF BACK AND BASE.

SHELVING ELECTRIC FROM OVERHEAD	DATE: 07.23.12 SCALE: NONE DRAWN: ZAW/slj	
MASTER SPECIFICATION STANDARD DETAIL	EISD-2	

ORIGINAL ISSUE DATE 7/23/12

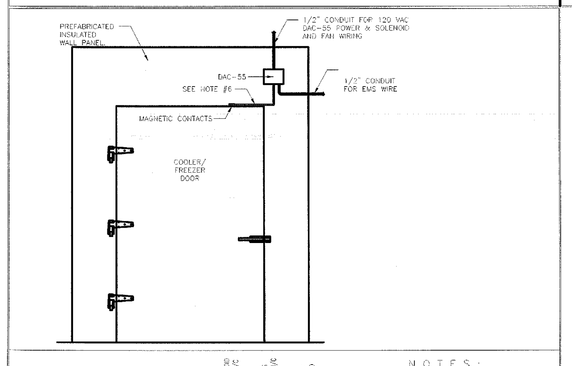


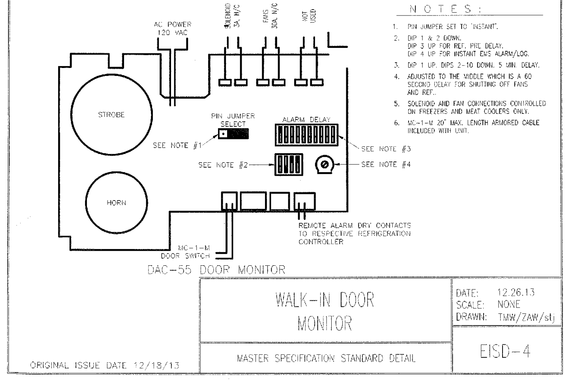
NOTES:
1. FOR SHELVING REFER TO FIXTURE PLAN AND SHELVING ORDER INFORMATION.
2. HUBBELL INC. HBL 24SB45V 6' 20 AMP PLUGSTRIK SHOULTERS 12" O.C. CONNECT PLUGSTRIK TO OVERHEAD OR UNDERGROUND AS REQUIRED.

Detail Based on:

LAMP DECK PLUGMOLD INSTALLATION DETAIL	DATE: 07-23-12 SCALE: NONE DRAWN: ZAW/slj	
MASTER SPECIFICATION STANDARD DETAIL	EISD-3	

ORIGINAL ISSUE DATE 7/23/12





WALK-IN DOOR MONITOR	DATE: 12.26.13 SCALE: NONE DRAWN: TMR/ZAR/slj	
MASTER SPECIFICATION STANDARD DETAIL	EISD-4	

ORIGINAL ISSUE DATE 12/18/13

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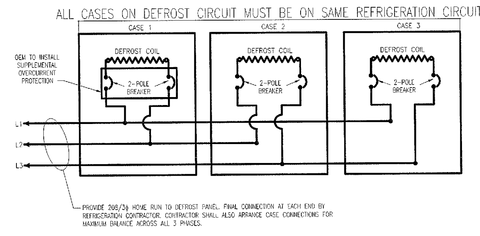
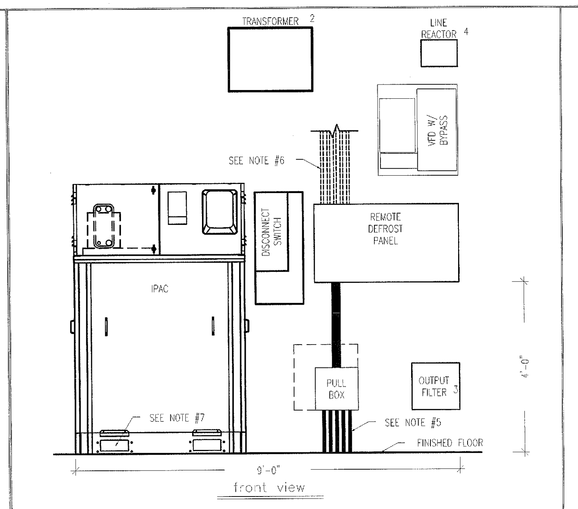
208V SINGLE PHASE ELECTRIC DEFROST FROM 208V THREE PHASE FEED

(3 CASE MINIMUM REFRIGERATION CIRCUIT)

ALL CASES ON DEFROST CIRCUIT MUST BE ON SAME REFRIGERATION CIRCUIT



ELECTRICAL DEFROST WIRING DETAIL	DATE: 09-11-09 SCALE: NONE DRAWN: SPR/stj
MASTER INSTALLATION DETAIL	RISD-13



DRAWING NOTES:

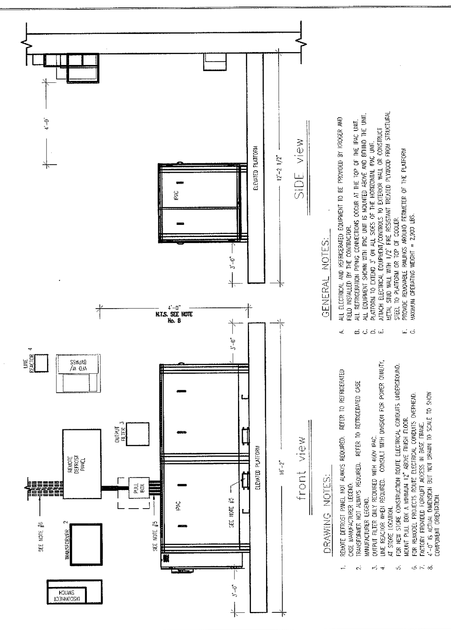
1. REMOTE DEFROST PANEL NOT ALWAYS REQUIRED. REFER TO REFRIGERATED CASE MANUFACTURER LITERATURE.
2. TRANSFORMER NOT ALWAYS REQUIRED. REFER TO REFRIGERATED CASE MANUFACTURER LITERATURE.
3. OUTPUT FILTER ONLY REQUIRED WITH 480V IPAC.
4. LINE REACTOR WHEN REQUIRED. CONSULT WITH DIVISION FOR POWER QUALITY.
5. FOR NEW STORE CONSTRUCTION ROUTE ELECTRICAL CONDUITS UNDERGROUND. MOUNT VFDs AT A MINIMUM 12" ABOVE FINISH FLOOR.
6. FOR REMODEL PROJECTS WHERE ELECTRICAL CONDUITS OVERHEAD.
7. FACTORY PROVIDED PERFLIGHT ACCESS IN BASE FRAME.

GENERAL NOTES:

A. INSTALL IPAC UNIT 1/2" FROM THE WALL.
B. ALL ELECTRICAL AND REFRIGERANTS EQUIPMENT TO BE PROVIDED BY KROGER AND FIELD INSTALLED BY THE CONTRACTOR.
C. ALL REFRIGERATION PIPING CONNECTIONS OCCUR AT THE TOP OF THE IPAC UNIT.
D. THE MOUNTING OF THE TRANSFORMER MAY VARY BASED ON LOCAL AUTHORITY HAVING JURISDICTION.
E. WHERE MULTIPLE UNITS ARE CONTROLLED BY ONE CONTROLLER PROVIDE 3/4" CONDUIT FROM UNIT TO UNIT BETWEEN CONTROL PANELS FOR CONTROL WIRING.
F. APPROXIMATE SHIPPING WEIGHT = 1,750 LBS.

HILL PHOENIX VERTICAL IPAC DETAIL	DATE: 10-09-13 SCALE: NONE DRAWN: TWR/ZAR/stj
MASTER INSTALLATION DETAIL	RISD-15

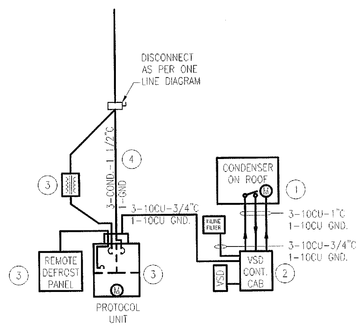
ORIGINAL ISSUE DATE 8/15/13



HILL PHOENIX HORIZONTAL IPAC DETAIL	DATE: 5-07-14 SCALE: NONE DRAWN: TWM/ZAR/stj
MASTER INSTALLATION DETAIL	RISD-15A

ORIGINAL ISSUE DATE 8/15/13

PROTOCOL WIRING DIAGRAM WITH REMOTE DEFROST PANEL AND TRANSFORMER



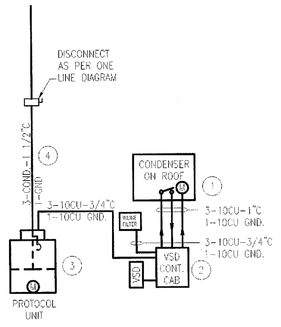
(1) OWNER PROVIDED REFRIGERATION EQUIPMENT BY EQUIPMENT SUPPLIER. LOCATED ON THE ROOF. SEE E1.4-1 REFRIGERATION POWER PLANS FOR LOCATIONS.

(2) OWNER PROVIDED VSD PANEL. CONTRACTOR PROVIDE WIRE AND INSTALL. SEE DETAIL RISD-11 AND EQUIPMENT MANUFACTURER INSTALLATION DIAGRAM FOR ADDITIONAL INFORMATION. ALL CONNECTIONS OF AND TO THE REFRIGERATION EQUIPMENT IS BY ELECTRICAL CONTRACTOR.

(3) OWNER PROVIDED REFRIGERATION EQUIPMENT BY EQUIPMENT SUPPLIER. CONNECTION OF AND TO THE REMOTE REFRIGERATION EQUIPMENT AND PANEL IS BY ELECTRICAL CONTRACTOR. SEE DETAIL RISD-11. COORDINATE WITH KROGER PROJECT MANAGER AND EQUIPMENT SUPPLIER LEGEND. PROVIDE FEEDER WIRE AND CONDUIT PER NEC CODE.

(4) CONDUCTORS AS PER ONE LINE DIAGRAM.

PROTOCOL WIRING DIAGRAM WITH INTERNAL TRANSFORMER



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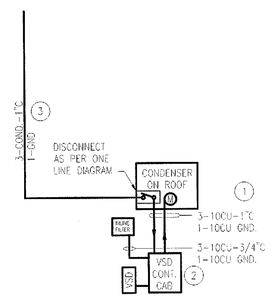
(3) OWNER PROVIDED REFRIGERATION EQUIPMENT BY EQUIPMENT SUPPLIER. CONNECTION OF AND TO THE REFRIGERATION EQUIPMENT IS BY ELECTRICAL CONTRACTORS. SEE DETAIL RISD-11. COORDINATE WITH KROGER PROJECT MANAGER AND EQUIPMENT SUPPLIER LEGEND. PROVIDE FEEDER WIRE AND CONDUIT PER NEC CODE.

(4) CONDUCTORS AS PER ONE LINE DIAGRAM.

PROTOCOL WIRING DIAGRAM DETAIL	DATE: 08.18.11 SCALE: NONE DRAWN: STJ
NORTHWEST STANDARD DETAIL	NW-RISD-310

CONDENSER WIRING DIAGRAM WITH VSD



(1) OWNER PROVIDED REFRIGERATION EQUIPMENT BY EQUIPMENT SUPPLIER. LOCATED ON THE ROOF. SEE E1.4-1 REFRIGERATION POWER PLANS FOR LOCATIONS.

(2) OWNER PROVIDED VSD PANEL. CONTRACTOR PROVIDE WIRE AND INSTALL. SEE DETAIL RISD-11 AND EQUIPMENT MANUFACTURER INSTALLATION DIAGRAM FOR ADDITIONAL INFORMATION. ALL CONNECTIONS OF AND TO THE REFRIGERATION EQUIPMENT IS BY ELECTRICAL CONTRACTOR.

(3) CONDUCTORS AS PER ONE LINE DIAGRAM.

CONDENSER WIRING DIAGRAM DETAIL	DATE: 01.05.15 SCALE: NONE DRAWN: STJ
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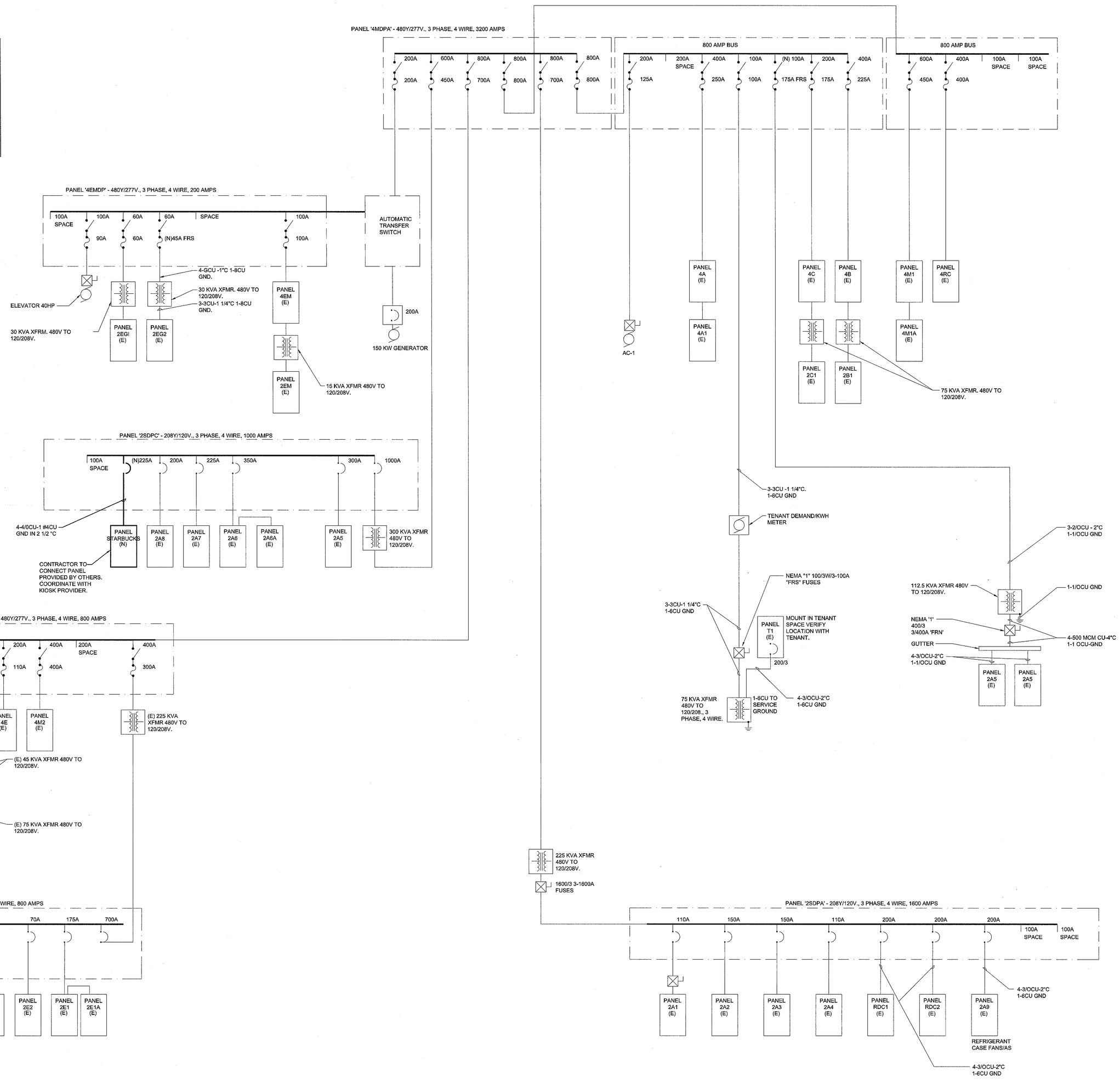
LOAD SUMMARY

AT EXISTING MAIN DISTRIBUTION SWITCHBOARD.
MAXIMUM 12-MONTH PEAK DEMAND ON JULY, 2015 WAS 661 KW, AS PER SERVING UTILITY (METER #Z0146910371037)

(E) MAXIMUM DEMAND:	661.00 KW
POWER FACTOR (0.9):	734.44 KVA
+25% SAFETY FACTOR:	918.06 KVA
+ADDED (NEW) DEMAND LOAD:	200.00 KVA
TOTAL NEW DEMAND LOAD:	1,118.06 KVA
TOTAL AMPS (480V, 3PHASE):	1,344.81 AMPS



ONE-LINE DIAGRAM

FILE: 172_E6.2.1 – ELECTRICAL SINGLE LINE DIAGRAM.DWG – E6.2.1 ELECTRICAL SINGLE LINE DIAGRAM | EDIT: 12/15/2015 8:26 AM BY MICHAELB | PLOT: 12/15/2015 1:58 PM BY LORENA RUIZ

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E6.2.1

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(E)Panel '2UPS'

120/208V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	CC CONTROLLER			20/1		A		20/1			EQUIPMENT RAEK 4-GNL	2
3	DD CONTROLLER			20/1		B		20/1			RS 6000	4
5	AUTOSHUNT			20/1		C		20/1			NEW PHONE SYSTEM	6
7	SYMBOLS OUTLET			20/1		A		20/1				8
9	SYMBOLS OUTLET			20/1		B		20/2			220 VOLT ROHM UNIT	10
11	EMS SYSTEM			20/1		C		-			---	12
13	ETHERNET POWER HOM BAKERY			20/1		A		20/1			MODEM OUTLET	14
15	ETHERNET POWER INTOOL GARDEN			20/1		B		20/1			SECURITY OUTLET	16
17	**PRX ETHERNET CABINET**	**360**	**R**	**20/1**		C		20/1			SECURITY OUTLET	18
19	SPACE					A		20/1			EQUIPMENT RACK	20
21	SPACE					B		20/1			EQUIPMENT RACK	22
23	SPACE					C		20/1			4-CCK DESK	24
25	SPACE					A					SPACE	26
27	SPACE					B					SPACE	28
29	SPACE					C					SPACE	30

Total Connected Load: Ph. A 0 VA 0 Amps
Total Connected Load: Ph. B 0 VA 0 Amps
Total Connected Load: Ph. C 360 VA 3 Amps
Panel Connected Load: 0.4 KVA 1.0 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 0.4 **KVA** 1.0 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A1'

120/208V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**LTS B-7A, B-7B, B-5**	**407**	**L**	20/1		A		20/1			LTS B-3 MEAT	2
3	LTS L-2	768	L	20/1		B		20/1	**550**	**L**	**LTS 1 LIQUOR**	4
5	LTS L-4	1,776	L	20/1		C		20/1				6
7	LTS A8B	1,536	L	20/1		A		20/1	1,596	L	DAIRY LTS	8
9	LTS L-3	836	L	20/1		B		20/1				10
11	LTS L-4, A7B	1,776	L	20/1		C		20/1				12
13	LTS B7A	396	L	20/1		A		**20/1**	**339**	**L**	**LTS B-6A, D-7**	14
15	**LTS A-9**		L	20/1		B		20/1			**SPARE**	16
17	LTS D-2	948	L	20/1		C		**20/1**	**1,000**	**M**	**PEANUT GRINDER**	18
19	**LTS A-2A, A-2B**	**263**	**L**	20/1		A		20/1	**1,000**	**M**	**ALMOND GRINDER**	20
21	LTS D-3	924	L	20/1		B		20/1	**500**	**G**	**HONEY DISPENSOR**	22
23	LTS D 3	1,200	L	20/1		C		20/1				24
25	LTS B4D	72	L	20/1		A		**20/1**	**521**	**L**	**LTS B-6C**	26
27	LTS F-1	456	L	20/1		B		**20/1**	**1,014**	**L**	**LTS D-2, A-3, A-4, A-5, D-4B**	28
29	LTS B7B			20/1		C		**20/1**	**1,000**	**L**	**LTS A-12A**	30
31	LTS B4B	245	L	20/1		A		**20/1**	**906**	**L**	**LTS C-2, 1 FLORAL**	32
33	LTS B-3			20/1		B		**20/1**	**884**	**L**	**LTS A-12B**	34
35						C		**20/1**	**240**	**L**	**LTS D-4A**	36
37	LTS A-5	504	L	20/1		A					SPACE	38
39	LTS B4A	504	L	20/1		B		20/1				40
41	LTS B4C	576	L	20/1		C					SPACE	42

Total Connected Load: Ph. A 7,785 VA 65 Amps
Total Connected Load: Ph. B 6,436 VA 54 Amps
Total Connected Load: Ph. C 8,516 VA 71 Amps
Panel Connected Load: 22.7 KVA 63.1 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 28.0 **KVA** 77.8 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A2'

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**FANS B-6A, D-7**	**821**	**M**	20/1		A		20/1	1,152	M	FANS D-3	2
3	**ANTI SWEAT B-6A, B-6C, D-2, D-7**	**1,146**	**H**	20/1		B		20/1		**M**	**FANS A-9**	4
5	FANS B-4	1,140	M	20/1		C		20/1	1,080	M	FANS D-4 FANS	6
7	MEAT PREP FANS BY SINK	1,140	M	20/1		A		20/1	**752**	**M**	**FANS C-5A & C-5B**	8
9	MEAT PREP FANS ABOVE WRAPPER	1,140	M	20/1		B		20/1	**752**	**H**	**ANTI SWEAT C-5A & C-5B**	10
11	**FANS C-2**	**1,248**	**M**	20/1		C		20/1	255	M	FANS B4D	12
13	FANS C-4	1,006	M	20/1		A		**20/1**	**1,365**	**M**	**ANTI SWEAT C-2**	14
15	FANS A8A	1,006	M	20/1		B		**20/1**	**1,111**	**M**	**ANTI SWEAT C-2, D-4B**	16
17	**FANS B6-C**	**288**	**M**	20/1		C		**20/1**	**468**	**M**	**FANS 2 FLORAL**	18
19	FANS C-3, D-4	360	M	20/1		A		20/1				20
21	**SPARE**			20/1		B		20/1	**945**	**M**	**FANS 1 LIQUOR, A-3,A-4, A-5, D-4B**	22
23	FANS A7B	204	M	20/1		C		20/1	348	M	FANS F-1	24
25	FANS B4B	300	M	20/1		A		20/1	236	M	FANS B4C	26
27	A10A, B	1,080	G	20/1		B		20/1		M	FANS B4A	28
29	A-10C	288	G	20/1		C		20/1	**419**	**M**	**ANTI SWEAT D-4A**	30
31	**FANS D-2**	**195**	**M**	20/1		A		20/1		**M**	**SPARE**	32
33	**FANS B-7A, B-7B, B-5**	**316**	**M**	20/1		B		20/1		**M**	**SPARE**	34
35	FANS B-3	1,260	M	20/1		C		20/1	1,008	M	FANS A-6	36
37	DAIRY WALK-IN A-8 FANS	1,260	M	20/1		A		**20/1**	**486**	**M**	**FANS A-12A, A-12B**	38
39	DAIRY WALK-IN A-8 FANS	1,260	M	20/1		B		20/1			REFER ALARM	40
41	**FANS A-2A, A-2B**	**176**	**M**	20/1		C		20/1			BIO BOARD PRODUCE	42

Total Connected Load: Ph. A 9,073 VA 76 Amps
Total Connected Load: Ph. B 8,756 VA 73 Amps
Total Connected Load: Ph. C 8,182 VA 68 Amps
Panel Connected Load: 26.0 KVA 72.2 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 26.4 **KVA** 73.1 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A3'

120/208V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	GROC FREEZER LTS	900	L	20/1		A		20/3	696	M	MEAT SAW	2
3	OVERHEAD DOOR	1,180	M	20/1		B		-	696	M	---	4
5	OVERHEAD DOOR	1,180	M	20/1		C		-	696	M	---	6
7	DOCK LEVELER	910	M	20/2		A		20/1	1,000	G	PLUG LOBSTER TANK/ALE 7+8 WINE AREA	8
9	---	910	M	-		B		20/1			SPARE	10
11	DELI PREP	200	R	20/1		C		30/3			SPARE	12
13	COIL DRAIN HTR	750	H	20/1		A		-			---	14
15	SALES FLR WALKDUCT	600	R	20/1		B		-			---	16
17	EMS SYSTEM	500	G	20/1		C		30/3	2,736	M	GRINDER	18
19	EMS	400	G	20/1		A		-	2,736	M	---	20
21	DOCK LEVEL CONTROL	250	G	20/1		B		-	2,736	M	---	22
23	SPARE			20/1		C		20/1	1,200	K	MEAT WRAP MACHINE	24
25	SPARE			20/1		A		20/1	1,200	K	MEAT WRAP MACHINE	26
27	SPARE			20/1		B		20/1	1,200	K	MEAT WRAP MACHINE	28
29	COFFEE GRINDER END AISLE 12			20/1		C		20/1	1,200	K	MEAT WRAP MACHINE	30
31	COOLER LIGHTS SIC END CASE			20/1		A		20/1	1,200	K	MEAT WRAP MACHINE	32
33	COOLER COMP SIC END CASE			20/2		B		20/1	1,200	K	SAGE WASHER	34
35	---			-		C		20/1	1,400	K	MEAT PREP	36
37	FOOD STOCK REC			20/1		A		40/3	3,840	G	BATTERY CHARGER	38
39	---					B		-	3,840	G	---	40
41	CF-5,6,7,8			20/1		C		-	3,840	G	---	42

Total Connected Load: Ph. A 13,632 VA 114 Amps
Total Connected Load: Ph. B 12,612 VA 105 Amps
Total Connected Load: Ph. C 12,952 VA 108 Amps
Panel Connected Load: 39.2 KVA 108.8 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 38.5 **KVA** 106.8 **Amps**

Notes:
1.
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A4'

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	COMPRESSOR ROOM	1,400	G	20/1		A		20/1	1,500	H	BEN BLOCK HEATER	2
3	ROOFTOP COND. A,B,C,D CNTRLR	250	G	15/2		B		20/1	600	R	ROOF REC	4
5	---	250	G	-		C		20/1	600	R	ROOF REC	6
7	CONDENSOR F1 CONT	250	G	20/2		A		20/2	250	G	COMPRESSOR A CONT	8
9	---	250	G	-		B		-	250	G	---	10
11	CONDENSOR CDF CONT	250	G	20/1		C		20/2	250	G	COMPRESSOR B CONT	12
13	---	250	G	20/1		A		-	250	G	---	14
15	RDP#1 CONTROL	250	G	20/2		B		20/2	250	G	COMPRESSOR C CONT	16
17	---	250	G	-		C		-	250	G	---	18
19	RDP#2 CONTROL	250	G	20/2		A		20/2	250	G	COMPRESSOR D CONT	20
21	---	250	G	-		B		-	250	G	---	22
23	RDP#3 CONTROL	250	G	20/2		C		20/2	250	G	COMPRESSOR E CONT	24
25	---	250	G	-		A		-	250	G	---	26
27	DEFROST PANEL F	250	G	30/2		B		20/2	250	G	COMPRESSOR F CONT	28
29	---	250	G	-		C		-	250	G	---	30
31	SPARE			30/2		A		20/2			SPARE	32
33	---			-		B		-			---	34
35	SPARE			30/2		C					SPACE	36
37	---			-		A					SPACE	38
39	SPARE			30/2		B					SPACE	40
41	---			-		C					SPACE	42

Total Connected Load: Ph. A 4,900 VA 41 Amps
Total Connected Load: Ph. B 2,850 VA 24 Amps
Total Connected Load: Ph. C 2,850 VA 24 Amps
Panel Connected Load: 10.6 KVA 29.4 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 10.6 **KVA** 29.4 **Amps**

Notes:
1.
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A5'

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**SPARE**			60/2		A		20/1	1,100	K	BREAD SLICER	2
3	---			-		B		20/1	240	G	WATER METER	4
5	**SPARE**			50/2		C		20/1	360	G	INGREDINT PRINTER	6
7	---			-		A		20/1	600	G	ZEP DRAIN RETARDER	8
9	**WORK TOP REFER**	**1,265**	**K**	20/1		B		20/1	600	G	2 DOOR RETARDER	10
11	**WORK TOP REFER**	**1,265**	**K**	20/1		C		**20/1**		**K**	**SPARE**	12
13	**EF-31**	**792**	**M**	**15/3**		A		**20/1**		**G**	**SPARE**	14
15	---	**792**	**M**	-		B		**20/1**		**K**	**SPARE**	16
17	---	**792**	**M**	-		C		20/1	1,800	G	PROOFING CABINET	18
19	80 QT. MIXER	3,480	K	30/3		A		30/2	2,500	G	PROOFING CABINET	20
21	---	3,480	K	-		B		-	2,500	G	PROOFING CABINET	22
23	---	3,480	K	-		C		20/3	528	K	DOUBLE RACK GAS OVEN	24
25	**EF-32**	**792**	**M**	**15/3**		A		-	528	K	---	26
27	---	**792**	**M**	-		B		-	528	K	---	28
29	---	**792**	**M**	-		C		20/1	1,500	K	DOUBLE RACK GAS OVEN	30
31	**TP-1-C, TP-1-B, TP-1-E, TP-1-D**	**40**	**G**	**20/1**		A		20/1	2,000	WH	10 GAL WTR HTER	32
33	**MEAT/BAKERY DÉCOR LTG**	**500**	**L**	20/1		B		20/1	2,000	WH	10 GAL WTR HTER	34
35	**FRESH SLICED DELI CASE**	**1,200**	**G**	20/1		C		20/1	960	K	WORK TOP REFER SD-76	36
37	**DELI COUNTER TOP RCPTS**	**540**	**R**	20/1		A		**30/1**	**2,714**	**G**	**PRODUCE CASE**	38
39	**DÉCOR LTG**	**675**	**L**	20/1		B		**30/1**	**2,714**	**G**	**PRODUCE CASE**	40
41	**DÉCOR LTG**	**675**	**L**	20/1		C		**30/1**	**2,714**	**G**	**PRODUCE CASE**	42

Total Connected Load: Ph. A 15,086 VA 126 Amps
Total Connected Load: Ph. B 16,086 VA 134 Amps
Total Connected Load: Ph. C 16,066 VA 134 Amps
Panel Connected Load: 47.2 KVA 131.1 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 43.0 **KVA** 119.2 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A6'

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	BAKERY CO'S	600	R	20/1		A		20/1	252	G	AIR SCREEN	2
3	DELI SANITIZER	600	G	20/1		B		20/1	156	K	SERVICE MEAT B-7B	4
5	FISH SIGN	1,050	L	20/1		C		20/1	**68**	**K**	**CAKE MENU BOARD**	6
7	CROISSANT	1,000	K	20/2		A		40/3			**SPARE**	8
9	---	1,000	K	-		B		-			**SPARE**	10
11	**AIR BRUSH/COMPRESSOR**	**288**	**K**	20/1		C		-			**SPARE**	12
13	SELF CONTAINED	1,800	G	30/1		A		**20/1**	**37**	**G**	**LCD MONITOR BAKERY**	14
15	SELF CONTAINED	1,800	G	20/1		B		**20/1**	**800**	**R**	**TABLE PLUGMOLD BAKERY**	16
17	SELF CONTAINED	1,800	G	30/1		C		**20/1**	**98**	**G**	**UPRIGHT DONUT CASE**	18
19	**SPARE**		K	70/3		A		20/1	1,000	R	FOOD SALES CO'S	20
21	---		K	-		B		30/1		K	SPOT FREEZER	22
23	---		K	-		C		20/1	1,500	K	SPOT COOLER	24
25	SANDWICH REFRIG.	600	K	20/1		A		30/1	1,500	K	SPOT COOLER	26
27	SHRINK WRAP	960	G	20/1		B		30/1	1,500	K	SPOT COOLER	28
29	MICROWAVE	1,400	K	20/1		C		20/1			**SPARE**	30
31	DELI CO'S	600	R	20/1		A		20/1	600	K	BAKERY FRZ. DR HTR	32
33	SLICER	870	K	20/1		B		20/1	500	K	BAKERY FRZ. DR HTR	34
35	SPACE					C		20/1	600	G	BSM	36
37	FISH CO'S	600	R	20/1		A		**20/1**	**1,027**	**K**	**CAKE IMAGING MACHINE**	38
39	COOK & HOLD OVEN	1,800	K	20/1		B		20/2	1,800	K	COOK & HOLD OVEN	40
41	COOK & HOLD OVEN	1,800	K	20/1		C			1,800	K	---	42

Total Connected Load: Ph. A 9,616 VA 80 Amps
Total Connected Load: Ph. B 11,786 VA 98 Amps
Total Connected Load: Ph. C 10,404 VA 87 Amps
Panel Connected Load: 31.8 KVA 88.3 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 25.3 **KVA** 70.4 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A6A'

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	YOGURT	560	G	20/1		A		20/1	1,200	H	COIL DRAIN HEATER	2
3	UH-7	150	H	20/1		B		20/1	200	G	EMS	4
5	UH-6	700	H	20/1		C		20/1	156	M	MULTI BRANCH B-7B FANS	6
7	FROZEN FISH F,H,C	444	G	20/1		A		20/1			SPARE	8
9	FROZEN FISH DEF. HEATER	348	H	20/1		B		20/1			SPARE	10
11	FROZEN FISH DEF. HEATER	348	H	20/1		C		20/1	1,200	G	SERVICE DELI CO'S	12
13	HOT DELI CASE	696	H	40/2		A		20/1	840	G	STOCK RM CO'S	14
15	---	1,200	H	-		B		20/1	840	G	STOCK RM CO'S	16
17	CF-2,3,4	150	M	20/1		C		20/1	500	G	ANSUL	18
19	**SPARE**		G	35/1		A		20/1	60	M	EF-23	20
21	SPARE			35/1		B		20/1	100	M	EF-22	22
23	**SPARE**		G	35/2		C		30/2	2,300	G	SELF CONTAINED CASE	24
25	**SPARE**		G	-		A		-	2,300	G	---	26
27	SELF CONTAINED CASE	2,300	G	30/2		B		30/3	2,640	M	DISPOSAL	28
29	SELF CONTAINED CASE	2,300	G	-		C		-	2,640	M	---	30
31	EF-21	240	M	20/3		A		-	2,640	M	---	32
33	EF-22	240	M	-		B		20/1	1,000	G	DONUT CONTROL	34
35	EF-23	240	M	-		C		20/1	1,000	G	DONUT CONTROL	36
37	EF-25	528	M	20/1		A		20/1	1,000	G	EMS CONTROL	38
39	HOOD LTS	260	L	20/1		B		20/1	1,000	G	ICE MACHINE	40
41	SPACE			20/1		C		20/1	1,000	G	ICE MACHINE	42

Total Connected Load: Ph. A 10,508 VA 88 Amps
Total Connected Load: Ph. B 10,278 VA 86 Amps
Total Connected Load: Ph. C 12,534 VA 104 Amps
Panel Connected Load: 33.3 KVA 92.5 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 35.4 **KVA** 98.2 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
5.

Accessories:

2015-0344

(E)Panel '2A7'

120/208V, 3 Ph., 4 W.; 400A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**DROP IN WARMER**	**1,124**	**K**	**20/2**		A		**20/2**	**614**	**K**	**OVERHEAD WARMER/DRAWER**	2
3	---	**1,124**	**K**	-		B		-	**614**	**K**	---	4
5	COFFEE MACHINE	1,400	K	20/1		C		-	**240**	**K**	**INDUCTION WARMER/EVAP.**	6
7	PL-27PROD RIM STA	1,920	K	30/3		A		20/1	1,000	M	COOLER-DR/HTR	8
9	---	1,920	K	-		B		20/1		H	HEAT TAPE	10
11	---	1,920	K	-		C		20/1	**420**	**K**	**PRODUCE WRAPPER**	12
13	**HOOD LTS**	**200**	**L**	20/1		A		20/1	**989**	**R**	**WORK TOP REFRIG**	14
15	**SANDWICH TOASTER OVEN**			**30/2**		B		20/1	696	K	WORK TOP REFRIG	16
17	---			-		C		**70/3**	**5,926**	**K**	**DEEP FRYER**	18
19	BAD SPACE					A		-	**5,926**	**K**	---	20
21	**PRODUCE PREP RECEPTS**	**720**	**K**	**20/1**		B		-	**5,926**	**K**	---	22
23	**SANDWICH PREP**	**171**	**K**	**20/1**		C					**SHUNT TRIP**	24
25	**STEROLIX**	**1,800**	**K**	20/1		A		20/2	**1,124**	**K**	**COUNTERTOP WARMER**	26
27	SHRINK WRAP	950	G	20/1		B		-	**1,124**	**K**	---	28
29	DOCK LEVELER	910	M	20/2		C		20/1	360	G	ZEP DRAINGUARDPR12	30
31	---	910	M	-		A		20/1	1,800	G	SINGLE ROLL HAND WR	32
33	**HOT CHICKEN CASE**	**3,360**	**K**	**40/2**		B		20/1	1,600	G	MSTG SYS CTRL W/CUR	34
35	---	**3,360**	**K**	-		C		20/1	816	G	REVRS OSMOSIS PR11	36
37	SPACE					A		30/3	2,640	K	DISPOSAL	38
39	**CONVEYOR SANDWICH OVEN**	**4,440**	**K**	**50/2**		B		-	2,640	K	---	40
41	---	**4,440**	**K**	-		C		-	2,640	K	---	42

Total Connected Load: Ph. A 20,047 VA 167 Amps
Total Connected Load: Ph. B 25,114 VA 209 Amps
Total Connected Load: Ph. C 22,603 VA 188 Amps
Panel Connected Load: 67.8 KVA 188.1 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 47.9 **KVA** 132.9 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
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Accessories:

2015-0344

(E)Panel '2A8'

120/208V, 3 Ph., 4 W.; 250A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**WATER BOOSTER**	**240**	**K**	20/1		A		**70/3**	**6,111**	**K**	**SINGLE COMBI CHICKEN OVEN**	2
3	**CARBONATED BEV. DISPENSOR**	**420**	**K**	20/1		B		-	**6,111**	**K**	---	4
5	**WRAPPER TABLE TOP**	**1,800**	**K**	20/1		C		-	**6,111**	**K**	---	6
7	SANDWICH PREP		R	20/1		A				K	**SHUNT TRIP**	8
9	**BEVERAGE ICE MACHINE**	**2,196**	**K**	30/1		B						10
11	**AUTO SLICER**	**1,080**	**K**	20/1		C						12
13	**MANUAL SLICER**	**420**	**K**	20/1		A		20/1			ATMBY RX	14
15	**MANUAL SLICER**	**420**	**K**	20/1		B		**20/2**	**1,610**	**H**	**SOUP CASE**	16
17	**MANUAL SLICER**	**420**	**K**	20/1		C		-	**1,610**	**H**	---	18
19	**PRODUCE WRAPPER**	**1,800**	**K**	20/1		A		**20/1**	**122**	**L**	**SOUP CASE LIGHTS**	20
21	**RICE COOKER**	**1,020**	**K**	20/1		B		20/1	**1,680**	**K**	**SALES AREA MICROWAVE**	22
23	**RICE COOKER**	**1,020**	**K**	20/1		C		20/1	**780**	**K**	**BIB KIT 8 HEAD CARB BEV.**	24
25	**PRODUCE PREP ICE FLAKER**	**696**	**K**	20/1		A		**70/3**	**6,296**	**K**	**PRESSURE FRYER**	26
27	**SPARE**			20/1		B		-	**6,296**	**K**	---	28
29	**SINGLE COMBI CHICKEN OVEN**	**6,111**	**K**	**70/3**		C		-	**6,296**	**K**	---	30
31	---	**6,111**	**K**	-		A					**SHUNT TRIP**	32
33	---	**6,111**	**K**	-		B		**70/3**	**6,296**	**K**	**PRESSURE FRYER**	34
35	**SHUNT TRIP**					C		-	**6,296**	**K**	---	36
37	**PASTA MAKER**	**1,643**	**K**	**20/2**		A		-	**6,296**	**K**	---	38
39	---	**1,643**	**K**	-		B					**SHUNT TRIP**	40
41	**MENU BOARDS**	**119**	**L**	20/1		C						42

Total Connected Load: Ph. A 29,735 VA 248 Amps
Total Connected Load: Ph. B 33,803 VA 281 Amps
Total Connected Load: Ph. C 31,643 VA 263 Amps
Panel Connected Load: 95.2 KVA 264.2 Amps
Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Demand Load: 63.1 **KVA** 175.3 **Amps**

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
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Accessories:

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REVISION DELTA CLOSING DATE

SHEET TITLE:
PANEL
SCHEDULES

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK
CHECKED BY: KW
SHEET
E6.2.3

2UPS	2A4	2A7
2A1	2A5	2A8
2A2	2A6	
2A3	2A6A	

2154547

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

(E)Panel '2B1'

2015-0344

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**R - GNDLA GROCERY**	**360**	**R**	20/1		A		20/1	1,200	L	PM LAMP DISPLAY LTS	2
3	**R - GNDLA GROCERY**	**360**	**R**	20/1		B		20/1	1,200	L	PM LAMP DISPLAY LTS	4
5	**GNDLA PLUGMOLD HOUSEWARE**	**1,000**	**R**	20/1		C		20/1	1,200	L	PM LAMP DISPLAY LTS	6
7	**GNDLA PLUGMOLD HOUSEWARE**	**1,000**	**R**	20/1		A		20/1	1,200	L	PM LAMP DISPLAY LTS	8
9	**R - GNDLA GROCERY**	**360**	**R**	20/1		B		20/1	1,200	L	PM LAMP DISPLAY LTS	10
11	**R - GNDLA GROCERY**	**360**	**R**	20/1		C		20/1	1,200	L	PM LAMP DISPLAY LTS	12
13	**PET FOOD POWERED GNDLA**	**540**	**R**	20/1		A		20/1	1,200	L	PM LAMP DISPLAY LTS	14
15	**LIQUOR CHECKOUT**	**500**	**G**	20/1		B		20/1	1,200	L	PM LAMP DISPLAY LTS	16
17	**TP-1-A**	**10**	**G**	20/1		C		20/2	910	M	DOCK LEVELER	18
19	**TRACK LTG HOUSEWARE**	**136**	**L**	20/1		A		-	910	M	---	20
21	**SPARE**		R	20/1		B		20/1	200	M	DOCK LEVELER CONT.	22
23	**SPARE**		R	20/1		C		20/1	1,180	M	OVERHEAD DOOR	24
25	**SPARE**		R	20/1		A		40/2	3,840	G	BATTERY CHARGER	26
27	**SPARE**		R	20/1		B		-	3,840	G	---	28
29	**SPARE**		R	20/1		C		20/1	800	G	HARDLINE STOCK CO'S	30
31	SPARE	0		20/1		A		20/1	400	G	ROOF CO'S	32
33	SPARE	0		20/1		B		20/1	700	H	UH-3, UH-2	34
35	COMP. B	700	G	20/1		C		20/1	600	G	EMS SYSTEM	36
37	DOCK LIGHT & BUZZER	600	L	20/1		A		20/1	800	G	VARIETY DESK CO'S	38
39	GIFT REGISTRY RECEPTS		R	20/1		B		20/1	2,000	WH	WH-7, BSM	40
41	STORY LAND LTS VIA EMS	800	L	20/1		C		20/1	250	M	CF-9,10,11,12,13	42

Total Connected Load:	Ph. A	12,186 VA	101 Amps	Panel Connected Load:	32.7 KVA	90.8 Amps
Total Connected Load:	Ph. B	11,560 VA	96 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	8,910 VA	74 Amps	**Total Demand Load:**	**36.4 KVA**	**101.0 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
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(E)Panel '2C1'

2015-0344

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**DECOR LTG**	**1,045**	**L**	20/1		A		20/1	**540**	**R**	**R - GNDLA FURNITURE/CARDS**	2
3	**DECOR LTG**	**665**	**L**	20/1		B		20/1	**720**	**R**	**SEASONAL CORD REELS**	4
5	**SPARE**			20/1		C		20/1	**360**	**R**	**R - GNDLA PEM**	6
7	**SPARE**			20/1		A		20/1	**360**	**R**	**R - GNDLA TOYS**	8
9	**SPARE**			20/1		B		20/1	**360**	**R**	**R - GNDLA HABA/BABY**	10
11	**SPARE**			20/1		C		20/1	**540**	**R**	**R - GNDLA PETS/TT**	12
13	**R - GNDLA DOM/STORAGE**	**540**	**R**	20/1		A		20/1	**180**	**R**	**PAINT POWERED CASE**	14
15	**R - GNDLA HAT**	**360**	**R**	20/1		B		20/1	500	G	EMS SYSTEM	16
17	GONDOLA REC DROP GARDEN	1,000	R	20/1		C		20/1	1,000	L	**SPARE**	18
19	BAI REFRIGERATOR	1,000	G	20/1		A		20/1	1,000	L	**SPARE**	20
21	LAMP DECK			20/1		B		20/1	1,000	L	**SPARE**	22
23	FLORAL CORD REELS			20/1		C		20/1			**SPARE**	24
25	**SPARE**			20/1		A		20/1			**SPARE**	26
27	**SPARE**			20/1		B		20/1			FURNITURE WALL RECEPTACLES	28
29	**PAINT STATION DESK**	**500**	**G**	20/1		C		20/1			**SPARE**	30
31	**PAINT STATION SHAKER**	**500**	**M**	20/1		A		20/1			**SPARE**	32
33	**PAINT STATION SHAKER**	**500**	**M**	20/1		B		20/1			**SPARE**	34
35	**PAINT STATION MIXER**	**500**	**M**	20/1		C		20/1			**SPARE**	36
37	**R - GNDLA SPORTS/DÉCOR**	**540**	**R**	20/1		A		20/1			**SPARE**	38
39	**R - GNDLA PAINT/AUTO**	**360**	**R**	20/1		B		20/1			**SPARE**	40
41	**R - GNDLA DÉCOR/OFFICE**	**720**	**R**	20/1		C		20/1			**SPARE**	42

Total Connected Load:	Ph. A	5,705 VA	48 Amps	Panel Connected Load:	14.8 KVA	41.1 Amps
Total Connected Load:	Ph. B	4,465 VA	37 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	4,620 VA	38 Amps	**Total Demand Load:**	**16.1 KVA**	**44.7 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
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(E)Panel '2C2'

2015-0344

120/208V, 3 Ph., 4 W.; 400A Bus with 250A Main Circuit Breaker Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1				20/1		A		20/1			CI DESK	2
3	**SPARE**			20/1		B		20/1			GARDEN OUTLET	4
5	CHECKSTAND	1,590	G	20/1		C		20/1			CI DESK	6
7	CHECKSTAND	1,590	G	20/1		A		20/1	1,600	R	ELECTRICAL GONDOLA	8
9	CHECKSTAND	1,590	G	20/1		B		20/1			SHORTECH SPARE	10
11	CHECKSTAND	1,590	G	20/1		C		20/1	1,400	G	BUCKET	12
13	CHECKSTAND	1,590	G	20/1		A		20/1	2,080	WH	WATER HEATER	14
15	**R - BOYS/GIRLS**	**720**	**R**	20/1		B		20/1	2,080	WH	WATER HEATER	16
17	DIRECTORY LIGHTS			20/1		C		20/1	400	R	SALES FLOOR OUTLETS	18
19	CHECKSTAND O.A.S.	400	G	20/1		A		20/1		R	FLORAL OUTLETS	20
21	**SPARE**			20/1		B		20/2			FLORAL STEP COOLER	22
23	PM STK	400	R	20/1		C		-			---	24
25	**SPARE**			30/2		A		20/2		R	**SPARE**	26
27	---			-		B				R	---	28
29	SPACE					C		20/2			**SPARE**	30
31	**CHLD CHANGE RM MIRROR LTS**	**400**	**L**	20/1		A		-			---	32
33	**R - ALE**	**360**	**R**	20/1		B		20/1			FLORAL COOLER	34
35	**WORKSTATION ALE**	**500**	**R**	20/1		C		20/1			GARDEN OUTLET	36
37	**R - ALE**	**720**	**R**	20/1		A		20/1			OUTSIDE GARDEN PLUGS	38
39	**R - ALE**	**720**	**R**	20/1		B		20/1			SPARE	40
41	**SPARE**		R	20/1		C		20/1			GARDEN REGISTER	42

Total Connected Load:	Ph. A	8,380 VA	70 Amps	Panel Connected Load:	19.7 KVA	54.8 Amps
Total Connected Load:	Ph. B	5,470 VA	46 Amps	Sub-Fed Connected Load:	27.2 KVA	75.6 Amps
Total Connected Load:	Ph. C	5,880 VA	49 Amps	**Total Demand Load:**	**49.6 KVA**	**137.6 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
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(E)Panel '2C2A'

2015-0344

120/208V, 3 Ph., 4 W.; 250A Bus with 200A Main Circuit Breaker Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	**TP-1-I**	**10**	**G**	20/1		A		20/1			RDN MAIN	2
3	**EF-33**	**23**	**M**	20/1		B		20/1	1,180	M	HIC VEST. AUTO DOOR	4
5	**SPARE**			20/1		C		20/1	1,180	M	HIC VEST. AUTO DOOR	6
7	PM PEC DISSP.	1,600	R	20/1		A		20/1	1,180	M	HIC VEST. AUTO DOOR	8
9	**SPARE**			20/1		B		20/1	800	R	HIC VEST. OUTLETS	10
11	WH-6	1,800	WH	20/1		C		20/1	800	R	HIC VEST. OUTLETS	12
13	PLANTS OUTLETS	200	R	20/1		A		20/1	800	R	HIC VEST. OUTLETS	14
15	ROOF OUTLETS	400	R	20/1		B		20/1	800	R	HIC VEST. OUTLETS	16
17	**EWH-1**	**2,500**	**WH**	**35/3**		C		20/1	500	G	EMS SYSTEM	18
19	---	**2,500**	**WH**	-		A		20/2			**SPARE**	20
21	---	**2,500**	**WH**	-		B		-			**SPARE**	22
23	**SPARE**			20/1		C		20/1	**500**	**G**	**CS LOTTO TERMINAL**	24
25	**SPARE**		G	30/3		A		20/1	**500**	**G**	**CS WESTERN UNION TERMINAL**	26
27	---		G	-		B		20/1	**960**	**G**	**CS FAX/COPIER/SCANNER**	28
29	---		G	-		C		20/1	**960**	**G**	**CS FAX/COPIER/SCANNER**	30
31				20/1		A		20/1	**56**	**G**	**CS THIN CLIENT**	32
33	**CS MONITOR**	**500**	**G**	20/1		B		20/1	**500**	**G**	**CS REGISTER**	34
35	**CS FISH AND GAME**	**500**	**G**	20/1		C		20/1	**500**	**R**	**CS COUNTER**	36
37	**COPY/PRINT/SCAN MFD**	**1,000**	**G**	20/1		A		20/1	**500**	**R**	**CS COUNTER**	38
39	**CS REGISTER**	**500**	**G**	20/1		B		20/1	**500**	**G**	**CS THIN CLIENT**	40
41	**CS COUNTER**	**500**	**R**	20/1		C		20/1	**500**	**G**	**CS REGISTER**	42

Total Connected Load:	Ph. A	8,346 VA	69 Amps	Panel Connected Load:	27.2 KVA	75.6 Amps
Total Connected Load:	Ph. B	8,663 VA	72 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	10,240 VA	85 Amps	**Total Demand Load:**	**29.9 KVA**	**82.9 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
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(E)Panel '2D1'

2015-0344

120/208V, 3 Ph., 4 W.; 225A Bus with 150A Main Circuit Breaker Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SGD TRACK LTS	1,200	L	20/1		A		20/1			ELEMENTS 2X4 LTS	2
3	SGD TRACK LTS	1,200	L	20/1		B					SPACE	4
5	SGD TRACK LTS	1,350	L	20/1		C		20/1	600	R	T-SHIRTS REC	6
7	ELEMENTS TRACK			20/1		A					SPACE	8
9	SGD TRACK LTS	800	L	20/1		B		20/1	1,200	L	LIGHT RAIL	10
11	ELEMENTS TRACK	1,800	L	20/1		C		20/1	1,200	L	LIGHT RAIL	12
13	ELEMENTS TRACK	1,800	L	20/1		A					SPACE	14
15	SGD STEP LTS			20/1		B		20/1	928	L	SHOE CORNICE LTS	16
17	SGD TRACK LTS	1,350	L	20/1		C		20/1	800	R	MANQ DISP REC	18
19	SGD TRACK LTS	1,200	L	20/1		A					SPACE	20
21	EMS SYS	500	G	20/1		B					SPACE	22
23	ELECTRIC VEH/CLE CHARGER ADA			40/2		C		20/1	1,200	L	MANQ DISP LTS	24
25	---			-		A		20/1	1,200	L	MANQ DISP LTS	26
27	SGD TRACK LTS			20/1		B		20/1	1,200	L	MANQ DISP LTS	28
29	SGD TRACK LTS			20/1		C		20/1	900	L	MANQ DISP LTS	30
31	SGD TRACK LTS			20/1		A		40/2			ELECTRICAL VEHICLE CHARG. NON ADA	32
33	ELEMENTS TRACK LTS	536	L	20/1		B		-			---	34
35	EAST WALL	1,800	L	20/1		C		20/1			ELEMENTS LTS	36
37	NORTH TRACK	1,800	L	20/1		A		20/1			ELEMENTS LTS	38
39	WEST WALL	1,950	L	20/1		B		20/1			ELEMENTS LTS	40
41	ELEMENTS TRACK			20/1		C		20/1			ELEMENTS LTS	42

Total Connected Load:	Ph. A	7,200 VA	60 Amps	Panel Connected Load:	26.5 KVA	73.6 Amps
Total Connected Load:	Ph. B	8,314 VA	69 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	11,000 VA	92 Amps	**Total Demand Load:**	**32.7 KVA**	**90.7 Amps**

Accessories:

Notes:
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(E)Panel '2D2'

2015-0344

120/208V, 3 Ph., 4 W.; 100A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SGD T FRAME LTS	1,000	L	20/1		A		20/1	800	R	SGD CHKSTD REC	2
3	SGD T FRAME LTS	1,000	L	20/1		B		20/1	800	R	SGD CHKSTD REC	4
5	**ALE CHECKSTAND**	**1,000**	**G**	20/1		C		20/1	800	R	SGD CHKSTD REC	6
7	SGD SALES FLR REC	800	R	20/1		A		20/1	500	G	EMS EQUP	8
9	SGD SALES FLR REC	1,200	R	20/1		B		20/1	1,000	R	PM SGD SERV DESK REC	10
11	CASE LTS	1,320	L	20/1		C		20/1	1,200	R	MANQ DISP REC	12
13	CASE REC	1,056	R	20/1		A		20/1	1,200	R	MANQ DISP REC	14
15	SPACE					B		20/1	1,200	R	MANQ DISP REC	16
17	SPACE					C					SPACE	18
19	SPARE			20/1		A					SPACE	20
21	**ALE LTG**	**1,344**	**L**	20/1		B		20/1			SPARE	22
23	**ALE LTG**	**914**	**L**	20/1		C		20/1			SPARE	24
25	REC OVER JEWLERY			20/1		A		20/1	**1,680**	**G**	**ALE CART RECEPTACLE**	26
27	**ALE TRACK LTG**	**330**	**L**	20/1		B		20/1	**1,680**	**G**	**ALE CART RECEPTACLE**	28
29	**ALE CO SPECIALTY LTG**	**181**	**L**	20/1		C		20/1	**1,680**	**G**	**ALE CART RECEPTACLE**	30

Total Connected Load:	Ph. A	7,036 VA	59 Amps	Panel Connected Load:	22.7 KVA	63.1 Amps
Total Connected Load:	Ph. B	8,604 VA	72 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	7,095 VA	59 Amps	**Total Demand Load:**	**24.2 KVA**	**67.3 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
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5.

(E)Panel '2D3'

2015-0344

120/208V, 3 Ph., 4 W.; 225A Bus with 110A Main Circuit Breaker Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	T FRAME LTS	1,410	L	20/1		A		20/1	600	R	SALES FLR REC	2
3	T FRAME LTS	900	L	20/1		B		20/1	1,200	L	MANQ DISP LTS	4
5	T FRAME LTS	1,060	L	20/1		C		20/1	1,200	R	SALES FLR REC	6
7	T FRAME LTS	1,010	L	20/1		A		20/1	344	L	LT BOXES	8
9	T FRAME LTS	1,390	L	20/1		B		20/1	1,200	L	MANQ DISP LTS	10
11	T FRAME LTS	860	L	20/1		C		20/1	1,200	L	MANQ DISP LTS	12
13	EMS SYSTEM	500	G	20/1		A		20/1	1,200	L	MANQ DISP LTS	14
15	SPARE					B		20/1	1,200	L	MANQ DISP LTS	16
17	ROOF REC	600	R	20/1		C		20/1	1,200	L	MANQ DISP LTS	18
19	SGD TRACK LTS	900	L	20/1		A		20/1	600	R	ELEVESCALR POWER OUTLETS	20
21	SGD TRACK LTS	900	L	20/1		B		20/1	900	L	SGD TRACK LTS	22
23	SGD TRACK LTS	900	L	20/1		C		20/1	600	L	SGD TRACK LTS	24
25	MANAGER'S OFFICE PLUG STRIPS	1,650	R	20/1		A		20/1	1,000	R	SLATWALL DISP REC	26
27	MANAGER'S OFFICE PLUG STRIPS	1,500	R	20/1		B		20/1	500	R	SLATWALL DISP REC	28
29	MANAGER'S OFFICE PLUG STRIPS	1,350	R	20/1		C		20/1	1,000	R	SLATWALL DISP REC	30
31	SPARE			30/3		A		20/1	1,500	L	VIEW MON	32
33	---			-		B		20/1	1,500	L	SGD TRACK LTS	34
35	---			-		C		20/1	1,000	L	WALL LTG	36
37	SPACE					A		20/1			SPARE	38
39	SPACE					B		20/1			SPARE	40
41	SPACE					C		20/1			SPARE	42

Total Connected Load:	Ph. A	10,714 VA	89 Amps	Panel Connected Load:	32.9 KVA	91.2 Amps
Total Connected Load:	Ph. B	11,190 VA	93 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	10,970 VA	91 Amps	**Total Demand Load:**	**32.9 KVA**	**91.2 Amps**

Accessories:

Notes:
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(E)Panel '2E1'

2015-0344

120/208V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	JEWELRY CASE LTS	600	L	20/1		A		20/1	1,200	L	SBR COUNTER LTS	2
3	JEWELRY CASE LTS	1,584	L	20/1		B		20/1	86	L	LIGHTED DIRECTORY	4
5	JEWELRY CASE LTS	1,056	L	20/1		C		90/3	11,040	S	2E1-A	6
7	JEWELRY CASE LTS	1,056	L	20/1		A		-	10,734	S	---	8
9	JEWELRY RECEPT	1,400	R	20/1		B		-	7,855	S	---	10
11	JEWELRY RECEPT	1,200	R	20/1		C		20/1	792	L	JEWELRY CASE LTS	12
13	JEWELRY CASE LTS	1,056	L	20/1		A		20/1	500	G	**ANSUL**	14
15	JEWELRY CASE LTS	1,320	L	20/1		B		20/1	500	G	**ANSUL**	16
17	JEWELRY CASE LTS	1,320	L	20/1		C		20/1			**SPARE**	18
19	ORANGE BLOSS LTS	600	L	20/1		A		20/1			**SPARE**	20
21	WATCH CASE LTS	1,200	L	20/1		B		20/1			**SPARE**	22
23	AUTO DOOR	600	M	20/1		C		20/1			**SPARE**	24
25	AUTO DOOR	600	M	20/1		A		20/1	1,000	R	JWY STK RM PLUGS OFFICE	26
27	AUTO DOOR	600	M	20/1		B		20/1	1,000	R	JWY STK RM PLUGS OFFICE	28
29	AUTO DOOR	600	M	20/1		C		20/1	600	R	RESTRM REC/PCS/PAS	30
31	AUTO DOOR	600	M	20/1		A		20/1	600	R	MISC RMS REC	32
33	AUTO DOOR	600	M	20/1		B		20/1	1,600	R	PM JLY STK REC	34
35	SGD ENT REC	1,000	R	20/1		C		20/1	600	R	TELXON CHARGERS	36
37	SGD ENT REC	1,000	R	20/1		A		20/1	1,600	R	PM TELLER REC	38
39	SGD ENT REC	1,000	R	20/1		B		20/1	600	R	MALL REC	40
41	SGD ENT REC	1,000	R	20/1		C					SPACE	42

Total Connected Load:	Ph. A	21,146 VA	176 Amps	Panel Connected Load:	30.7 KVA	85.1 Amps
Total Connected Load:	Ph. B	19,345 VA	161 Amps	Sub-Fed Connected Load:	29.8 KVA	82.2 Amps
Total Connected Load:	Ph. C	19,808 VA	165 Amps	**Total Demand Load:**	**59.5 KVA**	**165.2 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
3.
4.
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(E)Panel '2E1A'

2015-0344

120/208V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SGD ENT REC	1,000	R	20/1		A		20/1	1,300	L	JEWELRY SPOT LTS	2
3	SGD DIRECT. REC	344	R	20/1		B		20/1	1,300	L	JEWELRY SPOT LTS	4
5	FOOD ENT REC	1,000	R	20/1		C		20/1	1,300	L	JEWELRY SPOT LTS	6
7	FOOD ENT REC	1,000	R	20/1		A		20/1	900	L	JEWELRY SPOT LTS	8
9	FOOD ENT REC	1,000	R	20/1		B		20/1	850	L	JEWELRY SPOT LTS	10
11	**REDBOX**	**1,000**	**G**	20/1		C		20/1	900	L	JEWELRY SPOT LTS	12
13	DRINK FOUNT. REC	700	G	20/1		A		20/1	1,000	R	PM PRES REC	14
15	DRINK FOUNT. REC	700	G	20/1		B		20/1	1,400	R	PM PRES REC	16
17	FIRE SUP SYS	500	G	20/1		C		20/1			**SPARE**	18
19	**SPARE**			20/1		A		20/1	**1,000**	**G**	**GLACIER WATER**	20
21	VENDING REC	1,000	G	20/1		B		20/1			ROOFTOP AC PRICECHANGE	22
23	VENDING REC	1,000	G	20/1		C		20/1		R	PRIC CHANGE RM AC	24
25	VENDING REC	1,000	G	20/1		A		20/1			**SPARE**	26
27	JEWELRY PUFFER	1,000	G	20/1		B		20/1		L	SNACK BAR LTS	28
29	SBR PADDLE FANS	315	M	20/1		C		20/1		L	SNACK BAR LTS	30
31	EMS SYS	500	G	20/1		A		20/1	800	R	FILE MAINT REC	32
33	WH-5	1,300	WH	20/1		B					SPACE	34
35	**ELECTRONIC CART**	**840**	**G**	**20/1**		C		20/1	1,000	L	JEWELRY SIGN	36
37	**ELECTRONIC CART**	**840**	**G**	**20/1**		A		20/1	1,000	R	JEWELRY PLUGS	38
39	**ELECTRONIC CART**	**840**	**G**	**20/1**		B		20/1	1,000	L	JEWELRY SIGN	40
41	SPACE					C					SPACE	42

Total Connected Load:	Ph. A	11,040 VA	92 Amps	Panel Connected Load:	29.6 KVA	82.2 Amps
Total Connected Load:	Ph. B	10,734 VA	89 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	7,855 VA	65 Amps	**Total Demand Load:**	**32.2 KVA**	**89.3 Amps**

Accessories:

Notes:
1. **GENERAL: NEW WORK SHOWN AS BOLD.**
2.
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(E)Panel '2E2'

2015-0344

120/208V, 3 Ph., 4 W.; 100A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	EMS SYS	500	G	20/1		A		20/1	1,600	R	ROOF REC	2
3	PM OFFICE REC	1,200	R	20/1		B		20/1	1,000	G	EMS SYS	4
5	PM OFFICE REC	1,200	R	20/1		C		20/1	100	G	EMS SYS	6
7	ELECT/RR REC	1,400	R	20/1		A		20/1	1,200	G	VENDING	8
9	REFRIG	700	K	20/1		B		20/1	1,200	G	VENDING	10
11	MICROWAVE OVEN	1,000	K	20/1		C		20/1	1,200	G	VENDING	12
13	TELLER RM A/C			20/1		A		20/1	1,000	R	CONF REC	14
15	CAMPUS LTS	1,000	L	20/1		B		20/2			FLOWER COOLER	16
17	CAMPUS LTS	1,000	L	20/1		C					---	18
19	PYLON SIGN	1,000	L	20/1		A		20/2			FLOWER COOLER	20
21	SPARE			20/1		B		-			---	22
23	SPARE			20/1		C					SPACE	24
25	SPARE			20/1		A					SPACE	26
27	SPARE			20/1		B					SPACE	28
29	SPARE			20/1		C					SPACE	30

Total Connected Load:	Ph. A	6,700 VA	56 Amps	Panel Connected Load:	16.3 KVA	45.2 Amps
Total Connected Load:	Ph. B	5,100 VA	42 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	4,800 VA	37 Amps	**Total Demand Load:**	**17.1 KVA**	**47.3 Amps**

Accessories:

Notes:
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(E)Panel '2E4'

2015-0344

120/208V, 3 Ph., 4 W.; 400A Bus with 200A Main Circuit Breaker Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	DISHWASHER	5,664	K	30/3		A		20/1	1,180	K	**FREEZER**	2
3	---	5,664	K	-		B		20/1	600	K	REFRIGERATOR	4
5	---	5,664	K	-		C		20/1	600	K	REFRIGERATOR	6

PANEL SCHEDULES

(E)Panel '2E4A'

120/208V, 3 Ph., 4 W.; 225A Bus with 125A Main Circuit Breaker Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SPARE			20/2		A		20/1	1,700	K	ICED TEA BREWER	2
3	---			-		B		20/1	1,700	K	ICED TEA BREWER	4
5	SPARE			40/2		C		20/1			SPARE	6
7	---			-		A		20/1	1,180	K	COFFEE GRINDER	8
9	SPARE			40/2		B		20/1			SPARE	10
11	---			-		C		20/1	1,180	K	WAW FREEZER	12
13	SPARE			40/2		A		20/1	700	K	U/C REFRIGERATOR	14
15	---			-		B		20/1	600	R	KITCHEN REC	16
17	SPACE					C		20/1	1,000	M	EF-3	18
19	SPACE					A		40/3			SPARE	20
21	SPARE			20/2		B		-			---	22
23	---			-		C		-			---	24
25	SANDWICH TABLE	700	K	20/1		A		20/1	600	R	KITCHEN REC	26
27	SPARE			20/1		B		50/3		K	ESPRESSO	28
29	SPACE					C		-		K	---	30
31	SPACE					A		-		K	---	32
33	SPACE					B					SPACE	34
35	SPACE					C					SPACE	36
37	MOBILE HOT FOOD	3,432	K	50/2		A					SPACE	38
39	---	3,432	K	-		B					SPACE	40
41	SPACE					C					SPACE	42

Total Connected Load: Ph. A 8,312 VA 69 Amps — Panel Connected Load: 16.2 KVA 45.0 Amps
Total Connected Load: Ph. B 5,732 VA 48 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 2,180 VA 18 Amps — Total Demand Load: 11.6 KVA 32.1 Amps

Notes: Accessories:
1. GENERAL: NEW WORK SHOWN AS BOLD.
2.
3.
4.
5.

(E)Panel '2EM'

120/208V, 3 Ph., 4 W.; 100A Bus with 60A Main Circuit Breaker Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	PRX REFRIGERATOR	1,440	G	20/1		A		20/1	400	G	FIRE SPRINK COMP	2
3	SECURITY ALARMS	200	G	20/1		B		20/1	400	M	EF-20	4
5	DAY TANK PUMP	400	M	20/1		C		20/1	1,600	G	FREEZER	6
7	PRX REGISTERS	360	G	20/1		A		20/1			SPARE	8
9	PRX PRINTER / COPIER	960	G	20/1		B		20/1	1,600	L	ELEVATOR CAB	10
11	PRX U/C REFRIGERATOR	1,000	G	20/1		C		20/1	1,600	G	U.P.S. POWER	12
13	PRX REGISTERS	720	R	20/1		A		20/1			EF-18	14
15	PRX REGISTERS	720	R	20/1		B		20/1	720	R	PRX DESK RECEPTACLES	16
17	PRX NARCOTICS SAFES	360	G	20/1		C		20/1	720	R	PRX DESK RECEPTACLES	18
19	PRX PRINTER / COPIER	1,000	G	20/1		A		20/1	1,440	R	SELF CHECKOUT	20
21	PRX REFRIGERATOR	1,440	G	20/1		B		20/1	1,440	R	SELF CHECKOUT	22
23	SPARE			20/1		C		20/1	1,440	R	SELF CHECKOUT	24
25	EMS	200	G	20/1		A		20/1	1,440	R	SELF CHECKOUT	26
27	SPARE			20/1		B		20/1	1,440	R	SELF CHECKOUT	28
29	GORCERY MERCHANDISER	1,700	G	20/1		C		20/1	1,440	R	SELF CHECKOUT	30

Total Connected Load: Ph. A 7,000 VA 58 Amps — Panel Connected Load: 26.2 KVA 72.7 Amps
Total Connected Load: Ph. B 8,920 VA 74 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 10,260 VA 85 Amps — Total Demand Load: 25.9 KVA 71.9 Amps

Notes: Accessories:
1. GENERAL: NEW WORK SHOWN AS BOLD.
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(E)Panel '4C'

277/480V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	BULK HIC LIGHTS	3,002	L	20/1		A		20/1	3,088	L	WALL WASH LIGHTS	2
3	BULK HIC LIGHTS	3,002	L	20/1		B		20/1	2,960	L	WALL WASH LIGHTS	4
5	BULK HIC LIGHTS	3,648	L	20/1		C		20/1	2,470	L	WALL WASH LIGHTS	6
7	HIC LIGHTS	3,562	L	20/1		A		20/1	3,070	L	OAS LIGHTS	8
9	HIC LIGHTS	2,024	L	20/1		B		20/1	476	L	GARDEN CENTER LIGHTS	10
11	HIC LIGHTS	3,404	L	20/1		C		20/1		L	OUTSIDE GARDEN LIGHTS	12
13	HIC LIGHTS	3,332	L	20/1		A		20/1		L	OUTSIDE GARDEN LIGHTS	14
15	---			20/1		B		20/1	2,078	L	HOME IMPROVEMENT SIGN	16
17	HIC LIGHTS	3,318	L	20/1		C		20/1	2,078	L	HOME IMPORVEMENT SIGN	18
19	HIC LIGHTS	3,088	L	20/1		A		20/1	2,078	L	HOME IMPORVEMENT SIGN	20
21	NEON AUTO SIGN					B		20/1				22
23	NEON AUTO SIGN					C		20/1	2,078	L	PAINT DESK TRACK LIGHTS	24
25	HVAC GARDEN CENTER	2,078	M	25/3		A		20/1				26
27	---	2,078	M	-		B		20/1				28
29	---	2,078	M	-		C		20/1				30
31	CARDBOARD BAILER 10HP		M	30/3		A		20/1	3,500	G	BATTERY CHARGER	32
33	---		M	-		B		20/1	3,500	G	BATTERY CHARGER	34
35	---		M	-		C		20/1	3,500	G	BATTERY CHARGER	36
37	SPACE					A		20/3	5,705	S	XC1 PRI	38
39	SPACE					B		-	4,465	S	---	40
41	SPACE					C		-	4,620	S	---	42

Total Connected Load: Ph. A 32,503 VA 117 Amps — Panel Connected Load: 65.5 KVA 78.8 Amps
Total Connected Load: Ph. B 20,583 VA 74 Amps — Sub-Fed Connected Load: 14.8 KVA 17.8 Amps
Total Connected Load: Ph. C 27,194 VA 98 Amps — Total Demand Load: 95.2 KVA 114.5 Amps

Notes: Accessories:
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(E)Panel '2E5'

120/208V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	FOOD MGR DESK	800	R	20/1		A		20/1	1,590	R	CI DESK	2
3	FLORAL COOLER 5/06			20/2		B		20/1	1,590	R	CI DESK	4
5	---			-		C		20/1	1,590	R	CI DESK	6
7	SELF CHECKOUT	540	R	20/1		A		20/1	1,050	R	CHECKSTAND COOLERS	8
9	SELF CHECKOUT	540	R	20/1		B		20/1	1,000	R	PM CUSTOMER SERV.	10
11	SELF CHECKOUT	540	R	20/1		C		20/1	1,000	R	PM CUSTOMER SERV.	12
13	SELF CHECKOUT	540	R	20/1		A		20/1	516	L	LIGHT BOXES	14
15	CHECKSTAND	600	G	20/1		B		20/1	200	L	GARDEN CENTER	16
17	CHECKSTAND	600	G	20/1		C		20/1	1,908	G	FLOWER REFRIG	18
19	CHECKSTAND	600	G	20/1		A		20/1	500	L	NUT, LTE BAKES	20
21	CHECKSTAND	600	G	20/1		B		20/1	600	M	FOOD ENTRY DOOR	22
23	CHECKSTAND	600	G	20/1		C		20/1	600	M	FOOD ENTRY DOOR	24
25	CHECKSTAND	600	G	20/1		A		20/1	600	M	FOOD ENTRY DOOR	26
27	CHECKSTAND	600	G	20/1		B		20/1	60	G	FOOD ENTRY FLY TRAP	28
29	CHECKSTAND	600	G	20/1		C					SPACE	30
31	CHECKSTAND	600	G	20/1		A					SPACE	32
33	CHECKSTAND	600	G	20/1		B					SPACE	34
35	CHECKSTAND	600	G	20/1		C		20/1	884	L	PRODUCE TRACK LTG	36
37	CHECKSTAND	600	G	20/1		A		20/1	1,224	L	PRODUCE TRACK LTG	38
39	CHECKSTAND	600	G	20/1		B		20/1	180	R	R - FLORAL DESK	40
41	CHECKSTAND COOLERS	1,050	G	20/1		C		15/1	30	G	TP-1-G, TP-1-F, TP-1-H	42

Total Connected Load: Ph. A 9,760 VA 81 Amps — Panel Connected Load: 26.9 KVA 74.8 Amps
Total Connected Load: Ph. B 7,170 VA 60 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 10,002 VA 83 Amps — Total Demand Load: 27.4 KVA 76.1 Amps

Notes: Accessories:
1. GENERAL: NEW WORK SHOWN AS BOLD.
2.
3.
4.
5.

(E)Panel '4A'

277/480V, 3 Ph., 4 W.; 400A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	FOOD SALES LTS	1,580	L	20/1		A		20/1			BAK/SERV DELI LTS	2
3	FOOD SALES LTS	3,792	L	20/1		B		20/1	2,046	L	FOOD STOCK LTS	4
5	FOOD SALES LTS	1,896	L	20/1		C		20/1	2,122	L	FOOD STOCK LTS	6
7	FOOD SALES LTS	1,580	L	20/1		A		20/1	772	L	EXT SECURITY LTS	8
9	NUTR/PRO PREP LTS			20/1		B		20/1	1,197	L	DELI LITES	10
11	FOOD SALES LTS	3,002	L	20/1		C		20/1			WALL WASH LTS	12
13	FOOD SALES LTS	3,002	L	20/1		A		20/1			WALL WASH LTS	14
15	FOOD SALES LTS	3,634	L	20/1		B		20/1	3,634	L	WALL WASH LTS	16
17	FOOD SALES LTS	2,528	L	20/1		C		20/1	644	L	COMPRESSOR RM LTS	18
19	FOOD SALES LTS	2,054	L	20/1		A		20/1			NEON BAND	20
21	SPARE			20/1		B		20/1			DAIRY SIGN	22
23	FOOD SALES LTS	3,160	L	20/1		C		20/1			DAIRY/EGGS SIGN	24
25	FOOD SALES LTS (FOD 50%)	2,152	L	20/1	1	A		20/1			MILK/YOGURT SIGN	26
27	NEON BAND	942	L	20/1		B		20/1			NEON BAND	28
29	DELI SIGN	990	L	20/1		C		20/1			NEON BAND	30
31	DELI/BAKERY SIGN			20/1		A		20/1			MEAT SIGN	32
33	BAKERY SIGN			20/1		B		20/1			MEAT/FISH SIGN	34
35	NEON BAND			20/1		C		20/1			FISH SIGN	36
37	MEAT MRKT SIGN			20/1		A		100/3	8,375	S	(E)Panel '4A1'	38
39	MEAT MRKT SIGN			20/1		B		-	7,474	S	---	40
41	SPARE			20/1		C		-	8,375	S	---	42

Total Connected Load: Ph. A 19,515 VA 70 Amps — Panel Connected Load: 40.7 KVA 49.0 Amps
Total Connected Load: Ph. B 22,719 VA 82 Amps — Sub-Fed Connected Load: 24.2 KVA 29.1 Amps
Total Connected Load: Ph. C 22,717 VA 82 Amps — Total Demand Load: 81.2 KVA 97.7 Amps

Notes: Accessories:
1. ROUT E VIA ENERGY MANAGEMENT SYSTEM.
2. GENERAL: NEW WORK SHOWN AS BOLD.
3.
4.
5.

(E)Panel '4D'

277/480V, 3 Ph., 4 W.; 400A Bus with 150A Main Circuit Breaker Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SGD LTS	3,500	L	20/1		A		20/1	948	L	SGD STOCK LTS	2
3	SGD LTS	2,940	L	20/1		B		20/1	3,430	L	SGD LTS	4
5	SGD LTS	2,130	L	20/1		C		20/1	3,210	L	SGD LTS	6
7	SGD LTS	2,380	L	20/1		A		20/1	3,500	L	SGD LTS	8
9	SGD LTS	1,890	L	20/1		B		20/1	3,430	L	SGD LTS	10
11	SGD LTS	1,890	L	20/1		C		20/1	1,960	L	SGD LTS	12
13	WALL WASH LTS	3,404	L	20/1		A		20/1		L	ELEMENTS 2X4 LTS	14
15	WALL WASH LTS	3,404	L	20/1		B		20/1		L	ELEMENTS 2X4 LTS	16
17	WALL WASH LTS	3,404	L	20/1		C		20/1		L	ELEMENTS 2X4/SHOE CONRIC/SGD STOCK	18
19	PEC LTS	1,680	L	20/1		A		20/1	2,500	L	COLUMN NEONS & BEAR SIGN-MEZZ	20
21	PEC LTS	630	L	20/1		B		20/1	2,770	L	SHOES SIGN	22
23	HIC ENT-EXT LTS	1,848	L	20/1		C		20/3	500	M	CONVEYOR	24
25	HIC ENT-EXT LTS	2,162	L	20/1		A		-	500	M	---	26
27	HIC ENT-EXT LTS	1,183	L	20/1		B		-	500	M	---	28
29	FRED MEYER SIGN	1,580	L	20/1		C		20/1	1,994	L	COLUMN BAND NEON	30
31	XD3 PRI	10,714	S	70/3		A		20/1	1,488	L	SGD STOCKRM LTS	32
33	---	11,190	S	-		B	1	20/1	1,932	L	PHARMACY LTS (PRX)	34
35	---	10,970	S	-		C		20/1				36
37	XD1 PRI	7,200	S	70/3		A		20/1			SPACE	38
39	---	8,314	S	-		B		20/1			SPACE	40
41	---	11,000	S	-		C		20/1			SPACE	42

Total Connected Load: Ph. A 39,976 VA 144 Amps — Panel Connected Load: 62.7 KVA 75.4 Amps
Total Connected Load: Ph. B 41,613 VA 150 Amps — Sub-Fed Connected Load: 59.4 KVA 71.4 Amps
Total Connected Load: Ph. C 40,486 VA 146 Amps — Total Demand Load: 148.8 KVA 179.0 Amps

Notes: Accessories:
1. ROUTE VIA ENERGY MANAGEMENT SYSTEM.
2. GENERAL: NEW WORK SHOWN AS BOLD.
3.
4.
5.

(E)Panel '2EG1'

120/208V, 3 Ph., 4 W.; 100A Bus with 100A Main Circuit Breaker Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	JEWELRY/TOY MACHINE	1,000	G	20/1		A		20/1	750	G	DELI SCALES/PRINTERS	2
3	JEWELRY-VISA	750	G	20/1		B		20/1	720	R	CHECKOUT REGISTER	4
5	ISA-READERS SYMBOLS-PRICE CNG.	1,000	G	20/1		C		20/1	720	R	CHECKOUT REGISTER	6
7	BAKERY LABELER/SCALES	500	G	20/1		A		20/1	720	R	CHECKOUT REGISTER	8
9	CCN	400	G	20/1		B		20/1	720	R	CHECKOUT REGISTER	10
11	CCN	600	G	20/1		C		20/1			SPARE	12
13	FILE MAINT	400	G	20/1		A		20/1			SPARE	14
15	FILE MAINT	400	G	20/1		B		20/1	500	R	CHECKOUT REGISTER	16
17	FILE MAINT	400	G	20/1		C		20/1			SPARE	18
19	HIC CHECK	420	G	20/1		A		20/1			SPARE	20
21	LOTTO/IBM ROLLOUT	500	G	20/1		B		20/1	420	R	HIC CHECK	22
23	FILE MAINT DESK	420	R	20/1		C		20/1	420	R	HIC CHECK	24
25	FILE MAINT DESK	420	R	20/1		A		20/1			SPARE	26
27	MGR DESK	420	R	20/1		B		20/1	140	R	COSMET/SPG GOODS	28
29	MGR DESK	420	R	20/1		C		20/1	560	R	PEC CHECK	30
31	CCN FOOD RECV	900	R	20/1		A		20/1	1,000	G	EMS SYSTEM	32
33	QUEVISION MONITORS	1,000	G	20/1		B		20/1	1,000	G	VSCBX	34
35	SPARE			20/1		C		20/1	1,000	G	VSCBX	36
37	PRX COMPUTER	280	R	20/1		A		20/1	1,000	G	LOSS PREVENTION MONITORS	38
39	UPS-2	2,500	G	50/2		B		20/1	1,560	G	ATM	40
41	---	2,500	G	-		C		20/1	1,560	R	TELLER PC	42

Total Connected Load: Ph. A 7,390 VA 62 Amps — Panel Connected Load: 28.0 KVA 77.8 Amps
Total Connected Load: Ph. B 11,030 VA 92 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 9,600 VA 80 Amps — Total Demand Load: 28.0 KVA 77.8 Amps

Notes: Accessories:
1. GENERAL: NEW WORK SHOWN AS BOLD.
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(E)Panel '4A1'

277/480V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	NEON BAND			20/1		A		20/1			NEON BAND	2
3	SPARE			20/1		B		20/1			NEON BAND	4
5	FRESH JUICE SIGN			20/1		C		20/1	2,770	L	NUTRITION CTR S	6
7	NEON BAND			20/1		A		20/1	2,770	L	NUTRITION CTR S	8
9	PRODUCE SIGN			20/1		B		20/1	2,770	L	NUTRITION CTR S	10
11	PRODUCE SIGN			20/1		C		20/1	2,770	L	NUTRITION CTR S	12
13	PRODUCE SIGN			20/1		A		20/1	2,770	L	NUTRITION CTR S	14
15	GROC GONDOLA LTS			20/1		B		20/1			PRODUCE AWNING	16
17	GROC GONDOLA LTS			20/1		C		20/1			NCR AWNING	18
19	GROC GONDOLA LTS			20/1		A		20/1			DELI/BKRY AWNING	20
21	GROC GONDOLA LTS			20/1		B		20/1			DELI/BKRY AWNING	22
23	GROC GONDOLA LTS			20/1		C		20/1			DELI/BKRY AWNING	24
25	GROC GONDOLA LTS			20/1		A					SPACE	26
27	PRESCRIPTIONS LTS	840	L	20/1		B					SPACE	28
29	PRX AWNING LTS	2,447	L	20/1		C					SPACE	30
31	PRX AWNING LTS	2,447	L	20/1		A		20/3			FORKLIFT CHARGER 11	32
33	LOWER ROW WALL WASH LTS	3,476	L	20/1		B		-			---	34
35	SPARE			20/1		C		-			---	36
37	SPARE			20/1		A		30/3	388	M	COMPACTOR	38
39	SPARE			20/1		B		-	388	M	---	40
41	SPARE			20/1		C		-	388	M	---	42

Total Connected Load: Ph. A 8,375 VA 30 Amps — Panel Connected Load: 24.2 KVA 29.1 Amps
Total Connected Load: Ph. B 7,474 VA 27 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 8,375 VA 30 Amps — Total Demand Load: 30.3 KVA 36.4 Amps

Notes: Accessories:
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(E)Panel '4DA'

277/480V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	HOME ENT SIGN	2,770	L	20/1		A		20/1	3,117	L	NEON BAND	2
3	HOME ENT SIGN	2,770	L	20/1		B		20/1				4
5				20/1		C		20/1	2,078	L	HEARTBEAT BAND	6
7				20/1		A		20/1	2,770	L	VIDEO RENTAL SIGN	8
9				20/1		B		20/1	2,770	L	VID REN/M MARK	10
11	SPARE			20/1		C		20/1	2,770	L	MUSIC MKT SIGN	12
13	AC-31	2,659	M	20/1		A		20/1	2,117	L	NEON BAND (FUTURE)	14
15	---	2,659	M	20/1		B		20/1	1,000	L	NEON BAND (FUTURE)	16
17	---	2,659	M	20/1		C		20/1	1,584	L	ESCALATOR AREA	18
19	PEM HVAC			25/3		A		20/1	704	L	ESCALATOR AREA	20
21	---			-		B		20/1	2,000	L	FRED MEYER SIGN	22
23	---			-		C		20/1	2,000	L	FRED MEYER SIGN	24
25	HVAC			20/3		A		100/3	8,380	S	XC2 PRI	26
27	---			-		B		-	5,470	S	---	28
29	---			-		C		-	5,880	S	---	30

Total Connected Load: Ph. A 22,517 VA 81 Amps — Panel Connected Load: 36.4 KVA 43.8 Amps
Total Connected Load: Ph. B 16,669 VA 60 Amps — Sub-Fed Connected Load: 47.0 KVA 56.5 Amps
Total Connected Load: Ph. C 16,971 VA 61 Amps — Total Demand Load: 93.5 KVA 112.4 Amps

Notes: Accessories:
1. GENERAL: NEW WORK SHOWN AS BOLD.
2.
3.
4.
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(E)Panel '2EG2'

120/208V, 3 Ph., 4 W.; 250A Bus with 100A Main Circuit Breaker Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SGD CHECKSTAND	140	G	20/1		A		20/1	180	R	PRX COUNSEL	2
3	SGD CHECKSTAND	280	G	20/1		B		20/1	280	G	CHECKSTAND	4
5	SGD CHECKSTAND	280	G	20/1		C		20/1	500	G	MEAT LABELER	6
7	SGD CHECKSTAND	280	G	20/1		A		20/1	696	G	MEAT TUNNEL	8
9	CHECKOUT	720	R	20/1		B		20/1			PUM SHOE DEPT	10
11	CHECKOUT	720	R	20/1		C		20/1	500	G	LOTTO FORMS PRINTER	12
13	FIRE PROJ. SYSTEM 13-HOOD	1,800	G	20/1		A		20/1	500	G	FISH AND GAME	14
15	DELI SCALES/PRINTERS/REG.	750	G	20/1		B		20/1	500	G	CS GIFT REGISTRY	16
17	DELI SCALES/PRINTERS	750	G	20/1		C		20/1	500	G	CS REGISTER	18
19	SCALE, PRINTERS	300	G	20/1		A		20/1		R	SHOE DEPT. OUTLETS	20
21	SCALE, PRINTERS PRODUCE	500	G	20/1		B		20/1	1,200	G	ELEMENT REGISTERS	22
23	BRIDGE REGISTER	800	G	20/1		C		20/1	500	R	LIQUOR DESK	24
25	JEWELRY REGISTER	800	G	20/1		A		20/1	500	R	NUTRITION DESK	26
27	PHOTO SECURITY PANELS	600	G	20/1		B		20/1	500	G	GIFT REGISTRY	28
29	DELI REGISTER/PRINTER	850	G	20/1		C		20/1	500	G	CS THIN CLIENT	30
31	SPARE		G	30/2		A		20/1	500	G	CS REGISTER	32
33	---		G	-		B		20/1	500	G	CS REGISTER	34
35	HOME ENTRY CHECKSTAND	720	R	20/1		C		20/1			SPARE	36
37	DELAY EGRESS	400	G	20/1		A		20/1			SPARE	38
39	OUTSIDE GARDEN REGISTER	800	G	20/1		B		20/1	720	G	ALE CHECKSTAND	40
41	OUTSIDE GARDEN REGISTER	800	G	20/1		C		20/1	500	G	MEAT/SEA SCALES	42

Total Connected Load: Ph. A 6,096 VA 51 Amps — Panel Connected Load: 21.4 KVA 59.3 Amps
Total Connected Load: Ph. B 7,350 VA 61 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 7,920 VA 66 Amps — Total Demand Load: 21.4 KVA 59.3 Amps

Notes: Accessories:
1. GENERAL: NEW WORK SHOWN AS BOLD.
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(E)Panel '4B'

277/480V, 3 Ph., 4 W.; 400A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	COMPACTOR	3,880	M	30/3		A		20/1	2,370	L	GMD	2
3	---	3,880	M	-		B		20/1	2,370	L	GMD	4
5	---	3,880	M	-		C		20/1	3,792	L	GMD	6
7	FURNITURE CORNICE LIGHTS	3,117	L	20/1		A		20/1	2,212	L	GMD	8
9	SPACE					B		20/1	2,370	L	GMD	10
11	WALL WASH LIGHTS	3,246	L	20/1		C		20/1	3,950	L	GMD	12
13	EXT SECURITY LIGHTS	1,192	L	20/1		A		20/1	2,212	L	GMD	14
15	SEASONAL SALES	820	L	20/1		B		20/1	2,370	L	GMD	16
17				20/1		C		20/1	1,788	L	STOCKROOM LIGHTS	18
19				20/1		A		20/1	2,370	L	GMD	20
21				20/1		B		20/1	2,212	L	GMD	22
23				20/1		C		20/1	2,370	L	BED AND BATH DISPLAY STRIP LIGHTS	24
25				20/1		A		20/1	2,370	L	GMD	26
27	SPORT/AUTO SIGN	2,770	L	20/1		B		20/1	2,212	L	GMD	28
29	SPORT/AUTO SIGN	2,770	L	20/1		C		20/1	3,016	L	WALL WASH LIGHTS	30
31	FURNITURE/DÉCOR SIGN	2,770	L	20/1		A		20/1	3,318	L	GMD	32
33	FURNITURE/DÉCOR SIGN	2,770	L	20/1		B		20/1	3,476	L	GMD	34
35	FURNITURE/DÉCOR SIGN	2,424	L	20/1		C		20/1	3,002	L	WALL WASH LIGHTS	36
37	XB1 PRI	12,186	S	70/3		A		30/3	3,880	M	COMPACTOR	38
39	---	11,560	S	-		B		-	3,880	M	COMPACTOR	40
41	---	8,910	S	-		C		-	3,880	M	COMPACTOR	42

Total Connected Load: Ph. A 41,877 VA 151 Amps — Panel Connected Load: 92.9 KVA 111.8 Amps
Total Connected Load: Ph. B 40,690 VA 147 Amps — Sub-Fed Connected Load: 32.7 KVA 39.3 Amps
Total Connected Load: Ph. C 43,028 VA 155 Amps — Total Demand Load: 149.2 KVA 179.5 Amps

Notes: Accessories:
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(E)Panel '4E'

277/480V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard. 2015-0344

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	JEWELRY LTS	2,098	L	20/1		A		20/1	3,476	L	WALL WASH LTS	2
3	JEWELRY LTS	770	L	20/1		B		20/1	3,102	L	WALL WASH LTS	4
5	OFFICE/LUNCH RM LTS	2,525	L	20/1		C		30/2	3,180	L	PARKING LOT LTS EAST	6
7	SGD EXT ENTRY LTS	2,111	L	20/1		A		-	3,180	L	---	8
9	SGD ENT VEST LTS	3,423	L	20/1		B		30/2	3,180	L	PARKING LOT LTS N.W.	10
11	SGD ENT VEST LTS	3,242	L	20/1		C		-	2,870	L	---	12
13	SBR/RR/TELLER LTS	980	L	20/1		A		30/2	2,000	L	PARKING LOT LTS N.E.	14
15	SBR/RR/TELLER LTS	1,576	L	20/1		B		-	2,000	L	---	16
17	SBR WALL WASH LTS	2,226	L	20/1		C		20/1	648	L	CCN/FMR/BSM LTS	18
19	FOOD ENTRY VEST LTS	2,588	L	20/1		A		20/1	1,580	L	FRED MEYER SIGN	20
21	FOOD ENTRY VEST LTS	2,180	L	20/1		B		30/2	2,493	L	PARKING LOT LTS WEST	22
23	FOOD ENTRY EXT LTS	2,460	L	20/1		C		-	2,493	L	---	24
25	FOOD ENTRY ENT LTS	3,029	L	20/1		A		20/1			SPARE	26
27	AC-20	2,770	M	20/3		B		20/1	3,324	L	MEYERS CAFÉ SIGHN	28
29	---	2,770	M	-		C					SPACE	30
31	---	2,770	M	-		A					SPACE	32
33	EF-13	280	M	20/3		B					SPACE	34
35	EF-14	280	M	-		C					SPACE	36
37	EF-15	280	M	-		A					SPACE	38
39	SPARE			20/1		B					SPACE	40
41	SPARE			20/1		C					SPACE	42

Total Connected Load: Ph. A 24,092 VA 87 Amps — Panel Connected Load: 71.9 KVA 86.5 Amps
Total Connected Load: Ph. B 25,098 VA 91 Amps — Sub-Fed Connected Load: 0.0 KVA 0.0 Amps
Total Connected Load: Ph. C 22,694 VA 82 Amps — Total Demand Load: 89.6 KVA 107.8 Amps

Notes: Accessories:
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2E4A	2EM	4C
2E5	4A	4D
2EG1	4A1	4DA
2EG2	4B	4E

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DRAWN BY: CK
CHECKED BY: KW
SHEET
E6.2.5
JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

(E)Panel '4EM'

2015-0344

277/480V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	JEWELRY LTS	490	L	20/1		A		20/1	2,870	L	HIC LTS	2
3	**PRODUCE LTS (NL)**	**1,570**	L	20/1		B		20/1	3,792	L	HIC LTS	4
5	GROCERY LTS	3,212	L	20/1		C		20/1	3,318	L	GMD LTS	6
7	GROCERY LTS	2,844	L	20/1		A		20/1	3,792	L	GMD LTS	8
9	FOOD STK/WALKIN LT	3,833	L	20/1		B		20/1	3,210	L	GMD LTS	10
11	SGD LTS	1,840	L	20/1		C		20/1	3,068	L	OFFICE/LUNCH RM LTS	12
13	SGD LTS	2,824	L	20/1		A		20/1	1,416	L	FOOD/SGD EXT ENT LTS	14
15	SGD LTS	1,950	L	20/1		B		20/1	1,006	L	FOOD/SGD EXT ENT LTS	16
17	SGD LTS	3,150	L	20/1		C		20/1	3,156	L	GARDEN CENTER LTS	18
19	SGD LTS	2,660	L	20/1		A		20/1	1,580	L	FRED MEYER SIGN	20
21	SGD LTS	2,100	L	20/1		B					SPACE	22
23	HIC VESTIBULE LTS	708	L	20/1		C					SPACE	24
25	HIC VESTIBULE LTS	503	L	20/1		A					SPACE	26
27	SPARE			20/1		B					SPACE	28
29	SPARE			20/1		C					SPACE	30
31	XEM PRI	7,000	S	30/3		A					SPACE	32
33	---	8,920	S	-		B					SPACE	34
35	---	10,260	S	-		C					SPACE	36
37	SPACE					A					SPACE	38
39	SPACE					B					SPACE	40
41	SPACE					C					SPACE	42

Total Connected Load:	Ph. A	25,979 VA	94 Amps	Panel Connected Load:	54.9 KVA	66.0 Amps
Total Connected Load:	Ph. B	26,381 VA	95 Amps	Sub-Fed Connected Load:	26.2 KVA	31.5 Amps
Total Connected Load:	Ph. C	28,712 VA	104 Amps	**Total Demand Load:**	**94.5 KVA**	**113.7 Amps**

Notes:
1. **ROUTE VIA ENERGY MANAGEMENT SYSTEM.**
2. **GENERAL: NEW WORK SHOWN AS BOLD.**
3.
4.
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Accessories:

(E)Panel '4M2'

2015-0344

277/480V, 3 Ph., 4 W.; 400A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	AC-15	5,817	M	30/3		A		30/3	4,897	M	AC-17	2
3	---	5,817	M	-		B		-	4,897	M	---	4
5	---	5,817	M	-		C		-	4,897	M	---	6
7	AC-16	5,263	M	30/3		A		60/3	13,296	M	AC-3	8
9	---	5,263	M	-		B		-	13,296	M	---	10
11	---	5,263	M	-		C		-	13,296	M	---	12
13	AC-4	10,526	M	50/3		A		60/3	10,560	M	AC-5	14
15	---	10,526	M	-		B		-	10,560	M	---	16
17	---	10,526	M	-		C		-	10,560	M	---	18
19	AC-18	2,770	M	30/3		A		50/3	10,560	M	AC-6	20
21	---	2,770	M	-		B		-	10,560	M	---	22
23	---	2,770	M	-		C		-	10,560	M	---	24
25	AC-19	2,770	M	30/3		A		20/3	3,880	M	ESCALATOR	26
27	---	2,770	M	-		B		-	3,880	M	---	28
29	---	2,770		-		C		-	3,880	M	---	30
31	RTF-1	480	M	20/3		A		20/3	3,880	M	ESCALATOR	32
33	---	480	M	-		B		-	3,880	M	---	34
35	---	480	M	-		C		-	3,880	M	---	36
37	RTF-3	480	M	20/3		A		20/3	2,684	M	EF-2	38
39	---	480	M	-		B		-	2,684	M	---	40
41	---	480	M	-		C		-	2,684	M	---	42

Total Connected Load:	Ph. A	77,863 VA	281 Amps	Panel Connected Load:	230.8 KVA	277.6 Amps
Total Connected Load:	Ph. B	77,863 VA	281 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	77,863 VA	281 Amps	**Total Demand Load:**	**240.8 KVA**	**289.6 Amps**

Notes:
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Accessories:

(E)Panel 'T1'

2015-0344

120/208V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	RTU-22	3,760	M	45/3		A		20/1	180	G	TELEPHONE TERM. BD.	2
3	---	3,760	M	-		B		20/1	180	R	RTU-22 WP CO	4
5	---	3,760	M	-		C		20/1			SPARE	6
7	SPARE			20/1		A		20/1			SPARE	8
9	SPARE			20/1		B		20/1			SPARE	10
11	SPARE			20/1		C		20/1			SPARE	12
13	SPARE			20/1		A		20/1			SPARE	14
15	SPARE			20/1		B		20/1			SPARE	16
17	SPARE			20/1		C		20/1			SPARE	18
19	SPARE			20/1		A		20/1			SPARE	20
21	SPARE			20/1		B		20/1			SPARE	22
23	SPARE			20/1		C		20/1			SPARE	24
25	SPARE			20/1		A		20/1			SPARE	26
27	SPARE			20/1		B		20/1			SPARE	28
29	SPARE			20/1		C		20/1			SPARE	30
31	SPARE			20/1		A		20/1			SPARE	32
33	SPARE			20/1		B		20/1			SPARE	34
35	SPARE			20/1		C		20/1			SPARE	36
37	SPARE			20/1		A		20/1			SPARE	38
39	SPARE			20/1		B		20/1			SPARE	40
41	SPARE			20/1		C		20/1			SPARE	42

Total Connected Load:	Ph. A	3,940 VA	33 Amps	Panel Connected Load:	11.6 KVA	32.3 Amps
Total Connected Load:	Ph. B	3,940 VA	33 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	3,760 VA	31 Amps	**Total Demand Load:**	**14.5 KVA**	**40.1 Amps**

Notes:
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Accessories:

(E)Panel '4EMDP'

2015-0344

277/480V, 3 Ph., 4 W.; 225A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	SPARE			20/3		A		60/3	7,390	S	(E)Panel '2EG1'	2
3	---			-		B		-	11,030	S	---	4
5	---			-		C		-	9,600	S	---	6
7	ELEVATOR	14,410	M	90/3		A		100/3	25,979	S	(E)Panel '4EM'	8
9	---	14,410	M	-		B		-	28,381	S	---	10
11	---	14,410	M	-		C		-	28,712	S	---	12
13						A		60/3	6,096	S	(E)Panel '2EG2'	14
15						B		-	7,350	S	---	16
17						C		-	7,920	S	---	18
19						A						20
21						B						22
23						C						24
25						A						26
27						B						28
29						C						30
31						A						32
33						B						34
35						C						36
37						A						38
39						B						40
41						C						42

Total Connected Load:	Ph. A	83,875 VA	194 Amps	Panel Connected Load:	43.2 KVA	52.0 Amps
Total Connected Load:	Ph. B	59,171 VA	214 Amps	Sub-Fed Connected Load:	130.5 KVA	156.9 Amps
Total Connected Load:	Ph. C	60,642 VA	219 Amps	**Total Demand Load:**	**191.5 KVA**	**230.4 Amps**

Notes:
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Accessories:

(E)Panel '4RC'

2015-0344

277/480V, 3 Ph., 4 W.; 400A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	CONDENSER SYS A	4,432	M	20/3		A		90/3	23,240	M	COMPRESSOR SYS B	2
3	---	4,432	M	-		B		-	23,240	M	---	4
5	---	4,432	M	-		C		-	23,240	M	---	6
7	CONDENSER SYS BE	3,324	M	20/3		A		60/3	18,504	M	COMPRESSOR SYS C	8
9	---	3,324	M	-		B		-	18,504	M	---	10
11	---	3,324	M	-		C		-	18,504	M	---	12
13	CONDENSER SYS CDF	4,432	M	20/3		A		60/3	12,797	M	COMPRESSOR SYS D	14
15	---	4,432	M	-		B		-	12,797	M	---	16
17	---	4,432	M	-		C		-	12,797	M	---	18
19	SPARE			20/2		A		20/3	12,797	M	COMPRESSOR SYS E	20
21	---			-		B		-	12,797	M	---	22
23	SPARE			20/2		C		-	12,797	M	---	24
25	---			-		A		30/3	1,524	M	COMPRESSOR SYS F	26
27	SPARE			20/2		B		-	1,524	M	---	28
29	---			-		C		-	1,524	M	---	30
31	HOT WATER T-'B'			20/2		A		15/3			CONDENSOR F-1	32
33	---			-		B		-			---	34
35	HOT WATER T-'A'			20/2		C		-			---	36
37	---			-		A					SPACE	38
39	SPACE					B					SPACE	40
41	SPACE					C					SPACE	42

Total Connected Load:	Ph. A	81,050 VA	292 Amps	Panel Connected Load:	243.2 KVA	292.5 Amps
Total Connected Load:	Ph. B	81,050 VA	292 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	81,050 VA	292 Amps	**Total Demand Load:**	**260.6 KVA**	**313.4 Amps**

Notes:
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Accessories:

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

ITEM	DESCRIPTION	LOCATION	VOLTS / PHASE	LOAD	MCA	MOCP	WIRE / CONDUIT	CIRCUIT	NOTES
AC-31	AIR CONDITIONING UNIT	ROOF	480/3	11 FLA	12	15	203	4DA-13,15,17.	
EF-31	EXHAUST FAN	ROOF	208/3	1.5 HP		15	203	2A5-13,15,17.	1
EF-32	EXHAUST FAN	ROOF	208/3	1.5 HP		15	203	2A5-25,27,29.	1
EF-33	EXHAUST FAN	PHARMACY RR	120/1	0.03 HP		15	203	2C2A-3.	
EWH-1	ELECTRIC WALL HEATER	PHARMACY	208/1	4.5 KW		35	402	2C2A-17,19,21.	
TP-1-A	TRAP PRIMER	STOCKROOM 109	120/1	10 W		15	202	2B1-17.	
TP-1-B	TRAP PRIMER	SEAFOOD PREP	120/1	10 W		15	202	2A5-31.	
TP-1-C	TRAP PRIMER	SEAFOOD PREP	120/1	10 W		15	202	2A5-31.	
TP-1-D	TRAP PRIMER	BAKERY PREP	120/1	10 W		15	202	2A5-31.	
TP-1-E	TRAP PRIMER	PRODUCE PREP	120/1	10 W		15	202	2A5-31.	
TP-1-F	TRAP PRIMER	DELI	120/1	10 W		15	202	2E5-42.	
TP-1-G	TRAP PRIMER	STARBUCKS	120/1	10 W		15	202	2E5-42.	
TP-1-H	TRAP PRIMER	FLORAL COUNTER	120/1	10 W		15	202	2E5-42.	
TP-1-I	TRAP PRIMER	PHARMACY	120/1	10 W		15	202	2C2A-1.	

GENERAL MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.

B. MOCP = MAXIMUM OVER CURRENT PROTECTION
MCA = MINIMUM CIRCUIT AMPACITY

C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1 INTERLOCK WITH HOOD EXHAUST.

WIRE / CONDUIT SCHEDULE

202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.
203 3 #12 CU, 1 #12 CU GND., IN 3/4" C.
402 2 #8 CU, 1 #10 CU GND., IN 3/4" C.

(E)Panel '4M1'

2015-0344

277/480V, 3 Ph., 4 W.; 600A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	TRASH COMPACTOR	3,880	M	30/3		A		60/3	13,296	M	AC-2	2
3	---	3,880	M	-		B		-	13,296	M	---	4
5	---	3,880	M	-		C		-	13,296	M	---	6
7				30/3		A		50/3	10,526	M	AC-7	8
9				-		B		-	10,526	M	---	10
11				-		C		-	10,526	M	---	12
13	AC-13	9,695	M	50/3		A		50/3	10,526	M	AC-8	14
15	---	9,695	M	-		B		-	10,526	M	---	16
17	---	9,695	M	-		C		-	10,526	M	---	18
19	AC-14	6,925	M	40/3		A		50/3	10,526	M	AC-9	20
21	---	6,925	M	-		B		-	10,526	M	---	22
23	---	6,925	M	-		C		-	10,526	M	---	24
25	RTF-2	480	M	20/3		A		50/3	10,526	M	AC-10	26
27	---	480	M	-		B		-	10,526	M	---	28
29	---	480	M	-		C		-	10,526	M	---	30
31	UH-8	280	H	20/3		A		50/3	10,526	M	AC-11	32
33	---	280	H	-		B		-	10,526	M	---	34
35	---	280	H	-		C		-	10,526	M	---	36
37	4M1-A	13,107	M	50/3		A		50/3	10,526	M	AC-12	38
39	---	13,107	M	-		B		-	10,526	M	---	40
41	---	13,107	M	-		C		-	10,526	M	---	42

Total Connected Load:	Ph. A	110,819 VA	400 Amps	Panel Connected Load:	332.5 KVA	399.9 Amps
Total Connected Load:	Ph. B	110,819 VA	400 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	110,819 VA	400 Amps	**Total Demand Load:**	**342.4 KVA**	**411.9 Amps**

Notes:
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Accessories:

DISCONNECT SCHEDULE

ITEM	VOLTS / PHASE	SWITCH SIZE (A) / FUSE SIZE(A)	ENCLOSURE TYPE	MANUFACTURER	QUANTITY
AC-31	480/3	30	NEMA-3R	GE	1
		15			
EF-31	208/3	30	NEMA-3R	GE	1
		15			
EF-32	208/3	30	NEMA-3R	GE	1
		15			
EF-33	120/1	20	NEMA-1	HUBBELL	1

EWH-1	208/1	40	NEMA-1	GE	1
		35			

(E)Panel '4M1A'

2015-0344

277/480V, 3 Ph., 4 W.; 200A Bus with Main Lug Only Surface Mounted Panelboard.

Ckt. No.	Description / Location	Load (VA)/Type		C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)/Type		Description / Location	Ckt. No.
1	UH-4	280	H	20/3		A		20/3	280	H	UH-1	2
3	UH-4	280	H	-		B		-	280	H	UH-1	4
5	UH-4	280	H	-		C		-	280	H	UH-1	6
7	UH-5	280	H	20/3		A		20/3	390	M	EF-10	8
9	UH-5	280	H	-		B		-	390	M	EF-10	10
11	UH-5	280	H	-		C		-	390	M	EF-10	12
13	AC-24	4,897	H	25/3		A		20/3			SPARE	14
15	AC-24	4,897	H	-		B		-			SPARE	16
17	AC-24	4,897	H	-		C		-			SPARE	18
19	UH-15	500	H	20/3		A		20/3			SPARE	20
21	UH-15	500	H	-		B		-			SPARE	22
23	UH-15	500	H	-		C		-			SPARE	24
25	EF-22	720	M	20/3		A		20/3			SPARE	26
27	EF-22	720	M	-		B		-			SPARE	28
29	EF-22	720	M	-		C		-			SPARE	30
31	EF-16	940	M	20/3		A		20/3			SPARE	32
33	EF-16	940	M	-		B		-			SPARE	34
35	EF-16	940	M	-		C		-			SPARE	36
37	EF-17	940	M	20/3		A					SPACE	38
39	EF-17	940	M	-		B					SPACE	40
41	EF-17	940	M	-		C					SPACE	42

Total Connected Load:	Ph. A	9,227 VA	33 Amps	Panel Connected Load:	27.7 KVA	33.3 Amps
Total Connected Load:	Ph. B	9,227 VA	33 Amps	Sub-Fed Connected Load:	0.0 KVA	0.0 Amps
Total Connected Load:	Ph. C	9,227 VA	33 Amps	**Total Demand Load:**	**28.4 KVA**	**34.1 Amps**

Notes:
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Accessories:

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
PANEL SCHEDULES

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

CHECKED BY: KW

SHEET
E6.2.6

4EM	4M2	T1
4EMDP	4RC	
4M1		
4M1A		

JOB NO. 215034600.00

PERMIT SET: DECEMBER 21, 2015

FIXTURE TYPE (ENTERPRISE WIDE)	EPRO ITEM #	FIXTURE DESCRIPTION	MANUFACTURER	OSRAM SYLVANIA LAMP	# OF LAMPS / FIXTURE	OSRAM SYLVANIA LAMP PART #	OSRAM SYLVANIA LAMP EPRO K #	OSRAM SYLVANIA BALLAST SPECIFICATION	# OF BALLASTS / FIXTURE	OSRAM SYLVANIA BALLAST PART #	OSRAM SYLVANIA BALLAST EPRO K #	SYSTEM WATTAGE	USAGE	DATED FIXTURE ADDED
AA1	K-0008241	8'-0" INDUSTRIAL LIGHT FIXTURE W/ (2) T8 LAMPS & (1) BALLAST, & CLOSED TOP REFLECTOR.	COOPER (METALUX) 8TICF-232-UNV-QHE4X32ISNSC	FO28/835/XP/SS/ECO	4	22178	K-0037162	QHE 4X32T8/UNV ISN-SC	1	49971	K-0002522	95	WALL WASH - SUSPENDED AROUND PERIMETER	
C1	K-0008205	RECESSED 2'X4' W/ (3) T8 LAMPS & (1) INSTANT START BALLAST, PRISMATIC LENS W/ NO REVEAL, GRID CEILING.	COOPER (METALUX) 2GR8-332A-UNV-QHE3X32ISNSC	FO28/835/XP/SS/ECO	3	22178	K-0037162	QHE 3X32T8/UNV ISN-SC	1	49970	K-0002521	72	PHARMACY, FOOD PREP, DATA CENTER, CONFERENCE ROOM, LUNCH ROOM, LOCKER AREA (PRISMATIC)	
C11E	K-0019130	EMERGENCY RECESSED 2'X4' W/ (3) T8 LAMPS & (1) INSTANT START BALLAST, PRISMATIC LENS W/ NO REVEAL, GRID CEILING. !! SPECIFY VOLTAGE !!	COOPER (METALUX) 2GR8-332A-VOLT-EL-I320-QHE3X32PSNSC	FO28/835/XP/SS/ECO	3	22178	K-0037162	QHE 3X32T8/UNV ISN-SC	1	49970	K-0002521	73	EXISTING: SALES, BACK OF HOUSE, EMERGENCY	2/1/2011
CC2	K-0008275	RECESSED 2'X2' W/ (3) T8 LAMPS & (1) BALLAST, 9-CELL SPECULAR W/ BLACK REVEAL, GRID CEILING.	COOPER (METALUX) 2EP3GX-317S33I-UNV-QHE3X32ISNSC	FO17/835/XP/ECO	3	21778	K-0002512	QHE 3X32T8/UNV ISN-SC	1	49970	K-0002521	72	EXISTING: SALES, BACK OF HOUSE	
CC2E	K-0035860	EMERGENCY RECESSED 2'X2' W/ (3) T8 LAMPS & (1) BALLAST, 9-CELL SPECULAR W/ BLACK REVEAL, GRID CEILING. EMERGENCY FIXTURE !! SPECIFY VOLTAGE !!	COOPER (METALUX) 2EP3GX-317S33I-VOLT-EL-I320-QHE3X32ISNSC	FO17/835/XP/ECO	3	21778	K-0002512					72	NEW STORES: BACK OF HOUSE EXISTING STORES: SALES AREA AND BACK OF HOUSE, EMERGENCY	4/20/2012
CC8	K-0008369	RECESSED 2'X4' W/ (3) T8 LAMPS & (2) BALLASTS, 18-CELL SPECULAR W/ BLACK REVEAL, GRID CEILING.	COOPER (METALUX) 2HP3GX-332S36I-UNV-QHE2/1X32ISNSC-I8OB	FO28/835/XP/SS/ECO	3	22178	K-0037162	QHE 1X32T8/UNV ISN-SC	1	49968	K-0020393	73	PRODUCE SALES AREA, DELI/BAKERY SALES AREA - LAY-IN CEILING AREAS	
CC11		SURFACE 2'X4' W/ (3) T8 LAMPS & (1) BALLASTS, 18-CELL SPECULAR W/ BLACK REVEAL	COOPER (METALUX) 2EP3MX-332S36I-UNV-QHE3X32ISNSC					QHE 2X32T8/UNV ISN-SC	1	49969	K-0020394			
F1	K-0008180	8'-0", (1) T8 LAMP NARROW STRIP FLUORESCENT W/ (1) BALLAST & ASYMMETRIC REFLECTOR.	COOPER (METALUX) 8TSNF-132-UNV-QHE2X32ISNSC / (2) SNF-ASY-4	FO32/835/XP/SS/ECO	3	22178	K-0037162	QHE 3X32T8/UNV ISN-SC	1	49970	K-0002521	91	PROJECT SPECIFIC TYPE	12/14/2015
F2	K-0008181	4'-0" (1) T8 LAMP NARROW STRIP FLUORESCENT W/ (1) BALLAST & ASYMMETRIC REFLECTOR.	COOPER (METALUX) SNF-132-UNV-QHE1X32ISNSC 7 (1) SNF-ASY-4	FO28/835/XP/SS/ECO	2	22178	K-0037162	QHE 2X32T8/UNV ISN-SC	1	49969	K-0020394	48	FOR SOFFITS IN BAKERY, DELI AND MEAT PREP AREAS	
F3	K-0008286	3'-0" (2) T8 LAMP NARROW STRIP FLUORESCENT W/ (1) BALLAST & ASYMMETRIC REFLECTOR.	COOPER (METALUX) SNF-225-UNV-QHE2X32ISNSC / (1) SNF-ASY-3	FO28/835/XP/SS/ECO	1	22178	K-0037162	QHE 1X32T8/UNV ISN-SC	1	49968	K-0020393	25	FOR SOFFITS IN BAKERY, DELI AND MEAT PREP AREAS	
K3-16FT K3-20FT K3-24FT K3-28FT K3-32FT	K-0019138 K-0019139 K-0019140 K-0019141 K-0019142	AIRCRAFT CABLE HUNG, (X) T8 LAMPS W/ SILVER PARABOLIC LOUVER IN SILVER FINISH.	COOPER (CORELITE) NS-SW-2T8-1C-UNV-AC240-ST-16-DL1-CARDINAL SILVER T353-GR938 COOPER (CORELITE) NB-SW-2T8-1C-UNV-AC240-ST-20-DL1-CARDINAL SILVER T353-GR938 COOPER (CORELITE) NB-SW-2T8-1C-UNV-AC240-ST-24-DL1-CARDINAL SILVER T353-GR938 COOPER (CORELITE) NB-SW-2T8-1C-UNV-AC240-ST-28-DL1-CARDINAL SILVER T353-GR938 COOPER (CORELITE) NB-SW-2T8-1C-UNV-AC240-ST-32-DL1-CARDINAL SILVER T353-GR938	FO28/835/XP/SS/ECO FO28/835/XP/SS/ECO FO28/835/XP/SS/ECO FO28/835/XP/SS/ECO FO28/835/XP/SS/ECO	8 10 12 14 16	22178	K-0037162	QHE T8 UNV ISN BASED ON LENGTH				48 per 4' run	EXISTING FRED MEYER	
M1	K-0008185	4'-0" (2) T8 LAMP VAPORTIGHT W/ INTERNAL PRISMATIC LENS, STAINLESS STEEL LATCHES, TOP MOUNT CONDUIT, (1) BALLAST, WET LABEL.	COOPER (METALUX) VT2-232DR-UNV-QHE2X32ISNSC-WL-TH-SSL	FO30/835/XP/SS/ECO	2	22060	K-0002502	QHE 2X32T8/UNV ISN-SC	1	49969	K-0020394	52	REFRIGERATED FRESH MEAT AND DELI ISLAND CASES	2/1/2011
Q	K-0008335	LOW PROFILE UNDERCABINET SERIES	COOPER (METALUX) CFCL-213T5-EB-120V-SW-6CP-U	F13T5/CW	2	21368	K-0002449					27	GENERAL COOLER BOX LIGHTING (FOR 120V CONNECTION ONLY) MEAT PREP ROOM	
TR2	K-0008132 (WH) K-0008139 (BK)	TRACK MOUNTED (2) 39W LAMP WALLWASHER, WHITE FINISH.	COOPER (HALO) LS239EP AND LVR3239P LOUVER (WHITE) COOPER (HALO) LS239EMB AND LVR3239MB LOUVER (MAT BLACK) (120V ONLY) (WHITE OR MAT BLACK)	FT36DL/835/ECO	2	20582	K-0037164	Electronic ANSIE approved				75	FRED MEYER COMPACT FLUORESCENT ACCENT LIGHT FOR SIGNAGE AND LARGE GRAPHICS.	
TR4		SEE "RETIRED FIXTURES" TAB	USE "TR16" OR "TR17" DEPENDING ON TRACK MOUNTING HEIGHT AND DEPARTMENT											
TR5		SEE "RETIRED FIXTURES" TAB	USE "TR18" OR "TR19" DEPENDING ON TRACK MOUNTING HEIGHT AND DEPARTMENT											
TR6	K-0008374	FRONT LOADING TRACK MOUNTED INCANDESCENT LAMP ACCENT LIGHT W/ WHITE FINISH.	COOPER (HALO) L1739P (120V) (WHITE)	LED17PAR38/PRO/930/NFL25/P3	1	78433	K-0035025					24	FRED MEYER APPAREL	
TR16	K-0035872 (WH) K-0035873 (BK) K-0035874 (SL)	LED TRACK MOUNTED ACCENT LIGHT, SPOT BEAM SPREAD (16°)	COOPER L806-HO-SP-8030-P (WHITE) COOPER L806-HO-SP-8030-MB (BLACK) COOPER L806-HO-SP-8030-AH (SILVER)	LEDs INCLUDED								34	ACCENT TRACK LIGHTING. 37 WATT LED TRACKHEAD, SPOT (16°) BEAM SPREAD.	11/1/2012
TR19	K-0035875 (WH) K-0035876 (BK) K-0035877 (SL)	LED TRACK MOUNTED ACCENT LIGHT, NARROW FLOOD BEAM SPREAD (25°)	COOPER L806-HO-NF-8030-P (WHITE) COOPER L806-HO-NF-8030-MB (BLACK) COOPER L806-HO-NF-8030-AH (SILVER)	LEDs INCLUDED								34	ACCENT TRACK LIGHTING. 37 WATT LED TRACKHEAD, NARROW FLOOD (25°) BEAM SPREAD.	11/1/2012
TRACK	K-0008228 (WH) K-0008229 (BK) K-0008254 (SL)	2 FOOT TRACK	COOPER (HALO) L650P or MB or SL 2 FOOT TRACK										TRACK PARTS FOR THE TRACK HEAD FIXTURES (TR2, TR4, TR6, TR7, TR8, TR9, TR10, TR11, TR12, TR13, TR14)	
	K-0008137 (WH) K-0008144 (BK) K-0008255 (SL)	4 FOOT TRACK	COOPER (HALO) L651P or MB or SL 4 FOOT TRACK											
	K-0008138 (WH) K-0008145 (BK) K-0008256 (SL)	8 FOOT TRACK	COOPER (HALO) L652P or MB or SL 8 FOOT TRACK											
	K-0008136 (WH) K-0008143 (BK) K-0008257 (SL)	12 FOOT TRACK	COOPER (HALO) L653P or MB or SL 12 FOOT TRACK											
	K-0008133 (WH) K-0008140 (BK) K-0014916 (SL)	MINI JOINER	COOPER (HALO) L908P or MB OR SL MINI JOINER											
	K-0008135 (WH) K-0008142 (BK) K-0012310 (SL)	POWER FEED	COOPER (HALO) L901P or MB OR SL POWER FEED											
	K-0008134 (WH) K-0008141 (BK) K-0014899 (SL)	FLEX CONNECTOR	COOPER (HALO) L902P or MB OR SL FLEX CONNECTOR											
	K-0008356 (WH) K-0008357 (BK) K-0012717 (SL)	STRAIGHT CONNECTOR (may be used as a feed point)	COOPER (HALO) L903P or MB OR SL STRAIGHT CONNECTOR (may be used as a feed point)											
	K-0008358 (WH) K-0008359 (BK) K-0014915 (SL)	L CONNECTOR	COOPER (HALO) L904P or MB or SL L CONNECTOR											
	K-0008258 (WH) K-0008396 (BK) K-0035876 (SL)	MONO POINT CANOPY ADAPTER	COOPER (HALO) L1973P or MB or SL MONO POINT CANOPY ADAPTER											
CURRENT LIMITERS (for California ONLY)	K-0039814	TYPE 2FT CURRENT LIMITER	TYPE 2FT CURRENT LIMITER (CA ONLY) ELCO EP840W/B-1A (1 AMP)											
	K-0039815	TYPE 4FT CURRENT LIMITER	TYPE 4FT CURRENT LIMITER (CA ONLY) ELCO EP840W/B-1A (1AMP)											
	K-0039816	TYPE 8FT CURRENT LIMITER	TYPE 8FT CURRENT LIMITER (CA ONLY) ELCO EP840W/B-2A (2.5AMP)											
CURRENT LIMITERS (for all other divisions)	K-0045759	TYPE 12FT CURRENT LIMITER	TYPE 12FT CURRENT LIMITER (CA ONLY) ELCO EP840W/B-2A (2.5AMP)											
	K-0045760	TYPE 1 AMP CURR. LIMITER WHITE	TYPE 1 AMP CURR. LIMITER WHITE COOPER (HALO) LC901-CB120-P											12/3/2013
	K-0045761	TYPE 1 AMP CURR. LIMITER BLACK	TYPE 1 AMP CURR. LIMITER BLACK COOPER (HALO) LC901-CB120-MB											12/3/2013
	K-0045762	TYPE 1 AMP CURR. LIMITER SILVER	TYPE 1 AMP CURR. LIMITER SILVER COOPER (HALO) LC901-CB120-AH											12/3/2013
	K-0045763	TYPE 2.5 AMP CURR. LIMITER WHITE	TYPE 2.5 AMP CURR. LIMITER WHITE COOPER (HALO) LC901-CB300-P											12/3/2013
	K-0045764	TYPE 2.5 AMP CURR. LIMITER BLACK	TYPE 2.5 AMP CURR. LIMITER BLACK COOPER (HALO) LC901-CB300-MB											12/20/2013
	K-0045765	TYPE 2.5 AMP CURR. LIMITER SILVER	TYPE 2.5 AMP CURR. LIMITER SILVER COOPER (HALO) LC901-CB300-AH											12/20/2013
	K-0045766	TYPE 5 AMP CURR. LIMITER WHITE	TYPE 5 AMP CURR. LIMITER WHITE COOPER (HALO) LC901-CB600-P											12/20/2013
	K-0045767	TYPE 5 AMP CURR. LIMITER BLACK	TYPE 5 AMP CURR. LIMITER BLACK COOPER (HALO) LC901-CB600-MB											12/20/2013
	K-0045768	TYPE 5 AMP CURR. LIMITER SILVER	TYPE 5 AMP CURR. LIMITER SILVER COOPER (HALO) LC901-CB600-AH											12/20/2013
	K-0045769	TYPE 8 AMP CURR. LIMITER WHITE	TYPE 8 AMP CURR. LIMITER WHITE COOPER (HALO) LC901-CB960-P											12/20/2013
	K-0045770	TYPE 8 AMP CURR. LIMITER BLACK	TYPE 8 AMP CURR. LIMITER BLACK COOPER (HALO) LC901-CB960-MB											12/20/2013
	K-0045771	TYPE 8 AMP CURR. LIMITER SILVER	TYPE 8 AMP CURR. LIMITER SILVER COOPER (HALO) LC901-CB960-AH											12/20/2013
	K-0045772	TYPE 10 AMP CURR. LIMITER WHITE	TYPE 10 AMP CURR. LIMITER WHITE COOPER (HALO) LC901-CB1200-P											12/20/2013
	K-0045773	TYPE 10 AMP CURR. LIMITER BLACK	TYPE 10 AMP CURR. LIMITER BLACK COOPER (HALO) LC901-CB1200-MB											12/20/2013
	K-0045774	TYPE 10 AMP CURR. LIMITER SILVER	TYPE 10 AMP CURR. LIMITER SILVER COOPER (HALO) LC901-CB1200-AH											12/20/2013
	K-0045775	TYPE 11 AMP CURR. LIMITER WHITE	TYPE 11 AMP CURR. LIMITER WHITE 10 AMP & 1 AMP COOPER (HALO) LC903-CB1200CB120-P											12/20/2013
	K-0045776	TYPE 11 AMP CURR. LIMITER BLACK	TYPE 11 AMP CURR. LIMITER BLACK 10 AMP & 1 AMP COOPER (HALO) LC903-CB1200CB120-MB											12/20/2013
	K-0045777	TYPE 11 AMP CURR. LIMITER SILVER	TYPE 11 AMP CURR. LIMITER SILVER 10 AMP & 1 AMP COOPER (HALO) LC903-CB1200CB120-AH											12/20/2013
	K-0045778	TYPE 12.5 AMP CURR. LIMITER WHITE	TYPE 12.5 AMP CURR. LIMITER WHITE 10 AMP & 2.5 AMP COOPER (HALO) LC903-CB1200CB300-P											12/20/2013
	K-0045779	TYPE 12.5 AMP CURR. LIMITER BLACK	TYPE 12.5 AMP CURR. LIMITER BLACK 10 AMP & 2.5 AMP COOPER (HALO) LC903-CB1200CB300-MB											12/20/2013
	K-0045780	TYPE 12.5 AMP CURR. LIMITER SILVER	TYPE 12.5 AMP CURR. LIMITER SILVER 10 AMP & 2.5 AMP COOPER (HALO) LC903-CB1200CB300-AH											12/20/2013
	K-0045781	TYPE 15 AMP CURR. LIMITER WHITE	TYPE 15 AMP CURR. LIMITER WHITE 10 AMP & 5 AMP COOPER (HALO) LC903-CB1200CB600-P											12/20/2013
	K-0045782	TYPE 15 AMP CURR. LIMITER BLACK	TYPE 15 AMP CURR. LIMITER BLACK 10 AMP & 5 AMP COOPER (HALO) LC903-CB1200CB600-MB											12/20/2013
		TYPE 15 AMP CURR. LIMITER SILVER	TYPE 15 AMP CURR. LIMITER SILVER 10 AMP & 5 AMP COOPER (HALO) LC903-CB1200CB600-AH											12/20/2013

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
LIGHTING FIXTURE SCHEDULE

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY: CK

CHECKED BY: KW

SHEET

E6.3.1

2015-0344

FIXTURE TYPE (ENTERPRISE WIDE)	EPRO ITEM #	FIXTURE DESCRIPTION	MANUFACTURER	OSRAM SYLVANIA LAMP	# OF LAMPS / FIXTURE	OSRAM SYLVANIA LAMP PART #	OSRAM SYLVANIA LAMP EPRO K #	OSRAM SYLVANIA BALLAST SPECIFICATION	# OF BALLASTS / FIXTURE	OSRAM SYLVANIA BALLAST PART #	OSRAM SYLVANIA BALLAST EPRO K #	SYSTEM WATTAGE	USAGE	DATED FIXTURE ADDED
MOTION SENSORS / POWER PACKS / SWITCHES														
MO1	K-0044962	MOMENTARY OVERRIDE	COOPER (GREENGATE) AML-AML116										DELI/BAKERY, MEAT/SEAFOOD, PHARMACY	12/20/2013
OS1	K-0019113	MOTION SENSOR	WATTSTOPPER OS P/N WT-600											
OS2	K-0019114	MOTION SENSOR	WATTSTOPPER OS P/N WT-1100											
OS3	K-0019115	MOTION SENSOR	WATTSTOPPER OS P/N WT-2200											
OS4	K-0019116	MOTION SENSOR	WATTSTOPPER OS P/N WT-2250											
OS5	K-0019117	MOTION SENSOR	WATTSTOPPER OS P/N FS-705											
OS6	K-0021944	MOTION SENSOR - WET LOCATION OCCUPANCY SENSOR.	WATTSTOPPER HB350W-HBL2W (MODULE WITH LENS)											
OS7	K-0021945	MOTION SENSOR - PASSIVE INFRARED OCCUPANCY SENSOR.	WATTSTOPPER HBP-112-L7 (NO IR CAPABILITY)											
PPK1	K-0019118	POWER PACK	WATTSTOPPER OS P/N BZ-50											
PPK2	K-0019119	POWER PACK, GLASS DOOR LED	WATTSTOPPER OS P/N BZ-50-RC											
TS1	K-0019120	TIMER SWITCH	COOPER (GREENGATE) TSW-MV											
TS3	K-0019121	TIMER SWITCH	COOPER (GREENGATE) TSW-MV											
MS1	K-0019122	OCCUPANCY SWITCH, SINGLE LOAD	WATTSTOPPER OS P/N PW-100											
US1	K-0019123	OCCUPANCY SWITCH, DUAL LOAD	WATTSTOPPER OS P/N UW-200											

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REVISIONS:

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SHEET TITLE:
LIGHTING FIXTURE SCHEDULE

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PERMIT CENTER

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JOB NO. 215034600.00

2154547

PERMIT SET: DECEMBER 21, 2015

Legend	KRS PART	DESCRIPTION	Qty	EA	Estimated Weight (Hanging Signage)	Hanging Cable/Wall Attachment	Install Index Page
BR-AP-500	BR123	APPAREL VERTICAL WALL PATTERN TRANSPARENCY	1	EA	n/a	Paint	12
BR-AP-650	BR01	22'-10in SHOE DEPARTMENT HANGING SIGN (CURVED)	1	EA	less than 20 lbs per hanging point (12 HANGING POINTS)	Aircraft Cable	6
BR-AP-659	BR55	APPAREL CHECKOUT HANGING FIXTURE (Circle)	1	EA	250 lbs. 6 hang points	Aircraft Cable	6
BR-AP-665	BR268	22'-10in INTIMATES HANGING SIGN (Curve)	1	EA	35 lbs per hanging point	Aircraft Cable	6
BR-AP-680	BR564R1	NORTHWEST STYLE DEPARTMENT HANGING SIGN (29'-9in)	2	EA	less than 20 lbs per hanging point (14 HANGING POINTS)	Aircraft Cable	39
BR-AP-686	BR417	22'-10in' KIDS DEPARTMENT HANGING SIGN (CURVED)	1	EA	35 lbs per hanging point	Aircraft Cable	6
BR-AP-912	BR407	FITTING ROOM ASSISTANCE SIGN	3	EA	n/a	D/S TAPE & ADHESIVE	35
BR-AP-913	BR467	SHOE FIXTURE INSERTS	1	EA	n/a	Insert	53
BR-AP-916	BR792	WOMENS/FITTING ROOMS HANGING SIGN	1	EA	less than 20 lbs per hanging point (3 HANGING POINTS)	Aircraft Cable	15
BR-AP-917	BR793	MENS/FITTING ROOMS HANGING SIGN	1	EA	less than 20 lbs per hanging point (3 HANGING POINTS)	Aircraft Cable	15
BR-AP-918	BR794	CHILDRENS/FITTING ROOMS HANGING SIGN	1	EA	less than 20 lbs per hanging point (3 HANGING POINTS)	Aircraft Cable	15
BR-BB-1001	BR804	BABY YOUR BABY WAYFINDING TRELLIS 6FT ROUND	2	SET	less than 40 lbs per hanging point (4 HANGING POINTS)	aircraft cable	47
BR-BB-901	BR523	BABY INTEGRATED END CAP GRAPHIC KIT	1	SET	n/a	fixture	53
BR-BK-30	BR132	18in BAKERY DEPARTMENT COPY (Dimensional)	1	EA	n/a	wall mounted	11
BR-BK-64	BR782	32in DÉCOR FRAME WITH BREAD MEDALLION	1	EA	n/a	wall mounted	21
BR-BK-65	BR791	32in DÉCOR FRAME WITH CUPCAKE MEDALLION	1	EA	n/a	wall mounted	21
BR-BK-66	BR738	32in DÉCOR FRAME with BAGEL MEDALLION	1	EA	n/a	wall mounted	21
BR-BK-901	BR366	FRESH DONUTS CHALKBOARD SIGN	1	EA	n/a	D/S TAPE & ADHESIVE	35
BR-BK-902	BR367	FRENCH BREAD CHALKBOARD SIGN	1	EA	n/a	D/S TAPE & ADHESIVE	35
BR-BK-905	BR530	ARTISAN BREAD SIGN WITH FRAME (42in)	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	17
BR-BMA-150	BR442	BOOKS & MAG BANNER SET (3 pc) - 9' x 24in -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-BV-625	BR707	BEVERAGES HANGING SIGN	1	SET	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	17
BR-BV-900	BR708	BEVERAGE MENUS - 2 HANGING SIGNS	1	SET	n/a	wall mounted	56
BR-CF-500	BR289	15in HAVE A SEAT STENCIL	1	EA	n/a	Paint	8
BR-CS-901	BR647	MONEY SERVICES - ENTER SIGN 11X14	1	EA	n/a	n/a	53
BR-CS-903	BR649	MONEY SERVICES - EXIT SIGN 11X14	1	EA	n/a	n/a	53
BR-CS-905	BR651	MONEY SERVICES - MERCH HEADER 9.675X5	1	EA	n/a	n/a	53
BR-CS-907	BR653	MONEY SERVICES - MERCHANDISER A 9.675X24.28	1	EA	n/a	n/a	53
BR-CS-908	BR654	MONEY SERVICES - MERCHANDISER B 9.675X24.28	1	EA	n/a	n/a	53
BR-CS-909	BR655	MONEY SERVICES - WAIT HERE SIGN 11X14	1	EA	n/a	D/S TAPE & ADHESIVE	35
BR-CS-911	BR657	MONEY SERVICES - TAGLINE 9606	1	EA	n/a	Paint	8
BR-DA-501	BR145	56in DAIRY COPY - STENCIL	1	EA	n/a	Paint	12
BR-DA-950	BR30	DAIRY WALL TRANSPARENCY	6	EA	n/a	n/a	34
BR-DA-850	BR179 / 35162	DAIRY MAST BRACKET	2	SET	n/a	s-hook	5
BR-DA-851	BR507	CATEGORY SIGNS - PERIMETER DAIRY (11 phrases)	32	LF	n/a	wall mounted	29
BR-DA-900	BR99	PERIMETER DAIRY FASCIA	1	EA	n/a	wall mounted	11
BR-DE-30A	BR867	18in DELI COPY (Dimensional)	1	EA	n/a	dowel mount	11
BR-DE-34	BR676	BISTRO: 6in SANDWICHES COPY (DIMENSIONAL)	1	EA	n/a	dowel mount	11
BR-DE-36	BR678	BISTRO: 6in CHICKEN COPY (DIMENSIONAL)	1	EA	n/a	Paint	12
BR-DE-600	BR692	BISTRO GRAPHIC TRANSPARENCY	1	EA	n/a	cleat mounted	10
BR-DE-57	BR397e	DECOR AWNING & MEDALLION - CHEESE	1	EA	n/a	cleat mounted	10
BR-DE-58	BR397f	DECOR AWNING & MEDALLION - SANDWICH	1	SET	n/a	Wall Covering	24
BR-DE-604	BR660	BISTRO UPPER WALL COVERING PANELS (8' x 29'-2")	8	EA	n/a	Wall Covering	24
BR-DE-605	BR661	BISTRO LOWER WALL COVERING PANELS (2' x 50')	112	LF	n/a	wall mounted	36
BR-DE-606	BR709	2' PAINTED TRIM (8' LENGTHS)	1	EA	n/a	Wall Covering	24
BR-DE-609	BR502	BISTRO UPPER WALL COVERING PANELS (8' x 50')	2	EA	n/a	wall mounted	44
BR-DE-625	BR324	84in BISTRO BLADE SIGN R1	2	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-DE-900	BR16	DELI PAY HERE HANGING SIGN (SP)	1	EA	15 lbs; less than 20 lbs per hanging point	case mount or aircraft cable	43-17
BR-DE-902	BR342	FRESH-MADE SUSHI SIGN	1	EA	15 lbs; less than 20 lbs per hanging point	case mount or aircraft cable	43-17
BR-DE-903	BR349	DELI ISLAND SIGN - FRESH MEALS	1	EA	15 lbs; less than 20 lbs per hanging point	case mount or aircraft cable	43-17
BR-DE-904	BR350	DELI ISLAND SIGN - SALAD BAR	1	EA	15 lbs; less than 20 lbs per hanging point	case mount or aircraft cable	43-17
BR-DE-905	BR351	DELI ISLAND SIGN - OLIVE BAR	1	EA	15 lbs; less than 20 lbs per hanging point	case mount or aircraft cable	43-17
BR-DE-906	BR352	DELI ISLAND SIGN - ASSORTED DIPS	1	EA	15 lbs; less than 20 lbs per hanging point	case mount or aircraft cable	43-17
BR-DE-907	BR353	DELI ISLAND SIGN - HOT SOUP TO GO	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-EN-153	BR883	ENTERTAINMENT BANNER SET (3 pc) - 5' x 24in - CORDS -REDUCED R1	2	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-FL-300	BR36 / 37868	GARDEN/FLORAL CENTER BANNER - 7'- 6in 36in	4	EA	8 lbs	dowel mount	32
BR-FL-40	BR66l	10in FRESH FLOWERS TRELLIS COPY	1	EA	n/a	Paint	12
BR-FL-651	BR06b	FLORAL WALL TRANSPARENCY B	1	EA	n/a	counter	53
BR-FL-901	BR348	FLORIST ATTENDANT SIGN	2	EA	n/a	Paint	6
BR-FS-505	BR186	WELCOME TO...FREDDY'S STENCIL	2	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	18
BR-FS-900	BR76a	SELF CHECKOUT HANGING SIGN	2	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	27
BR-FS-902	BR76c	EXPRESS LANE DF HANGING SIGN (about 12 items)	8	EA	less than 20 lbs per hanging point (3 hanging points)	Aircraft Cable	18
BR-FS-912	BR362R1	SERVICE & PRICE CHECK SIGN (3-sided hanging) - Large R1	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	27
BR-FS-914	BR326	EXPRESS CHECKOUT SIGN - HANGING (FOR EURO - about 12 items)	2	EA	less than 20 lbs per hanging point (4 hanging points)	Aircraft Cable	18
BR-FS-915	BR380R1	SERVICE & PRICE CHECK SIGN (4-sided hanging) - R1	28	EA			
BR-FS-917	BR871	CHECKSTAND CUBE - UNIVERSAL	28	EA			
BR-FS-919	BR873	CHECKSTAND POLE - 60" SIDE MOUNT	28	EA			
BR-FS-920	BR874	CHECKSTAND LIGHT BRACKET - UNIVERSAL	7	EA			
BR-FS-921	BR875	CHECKSTAND TOPPER - EXPRESS	1	EA			
BR-FS-923	BR877	CHECKSTAND TOPPER - FAMILY FRIENDLY (FRED MEYER)	12	EA			
BR-FS-925	BR879	CHECKSTAND TOPPER - SELF CHECKOUT	3	EA	less than 20 lbs per hanging point (8 HANGING POINTS)	Aircraft Cable	7
BR-FS-902	BR02	14' THANK YOU HANGING SIGN (FREDDYS)	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	26
BR-FS-606	BR142	RESTROOMS SIGN - Hallway	10	KIT	n/a	D/S TAPE & ADHESIVE	35
BR-FS-910	BR622	SERVICE & PRICE CHECK SIGN INSTRUCTION SIGNS (SET OF 2)	1	EA	n/a	dowel mount	11
BR-GN-30	BR130	18in & COPY (Dimensional)	1	EA	n/a	Zip Tie Mounted	48
BR-GN-31	BR240	MERCHANDISE PICK-UP SIGN	1	EA	n/a	Aircraft Cable	1-2
BR-GN-40	BR66 / 34726	8'-0in X 8'-0in TRELLIS - BROWN	20	EA	70 lbs. per assembly (four 8' x 8' sections). 4 hang points per assembly	Aircraft Cable	1-2
BR-GN-41	BR205 / 35160	8'-0in X 8'-0in TRELLIS - BROWN/ORANGE R1	1	EA	70 lbs. per assembly (four 8' x 8' sections). 4 hang points per assembly	Paint	12
BR-GN-550	BR14	ACCENT WALL TRANSPARENCY (VERTICAL)	1	EA	n/a	Paint	12
BR-GN-552	BR521	SWIRL WALL TRANSPARENCY	1	EA	n/a	wall mounted	36
BR-GN-600	BR199	DECORATIVE WALL PANEL TRIM (8' lengths)	14	EA	n/a	wall mounted	20
BR-GN-603	BR210	WOOD DÉCOR ASSEMBLY A (WITHOUT ART) (calculate panel qty)	8	EA	1.3 lbs per square ft.	wall mounted	19
BR-GN-608	BR757	2'- 8in x 12' WOOD BOX	2	EA	n/a	Aircraft Cable	13
BR-GN-900	BR182 / 37424	AISLE MARKER 3-SIDED - NARROW (2 EA: #2-14, 16, 18, 20, 22, 24-34)	56	EA	40 lbs. 3 hang points per assembly	n/a	4
BR-GN-957	BR157 / 35163	CASE BRACKET	11	EA	n/a	n/a	53
BR-GN-902	BR344	FRESHLY ROASTED COFFEE BEANS SIGN	1	EA	n/a	Aircraft Cable	15
BR-GN-906	BR488	END DISPLAY PRICE PANEL	5	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-GN-909	BR489	COUPON SIGN	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Wall Covering	25
BR-GN-910	BR490	RESTROOM SIGN - MENS	1	EA	n/a	Wall Covering	26
BR-GN-911	BR491	RESTROOM SIGN - WOMENS	1	EA	n/a	Aircraft Cable	9
BR-GR-150	BR444	GARDEN BANNER SET (3 pc) - 5' x 24in -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Paint	8
BR-GR-504	BR427	48in GARDEN COPY STENCIL	1	EA	n/a	Aircraft Cable	15
BR-GR-901	BR483	GARDEN HANGING SIGN 8' x 18" (SP)	1	SET	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	1-2
BR-HM-1004	BR826	HOME DECOR WAYFINDING TRELLIS 6x6 SQUARE R1	1	SET	70 lbs. per assembly (four 6' x 6' sections). 4 hang points per assembly	Aircraft Cable	1-2
BR-HM-150	BR73dRC / 37876	TABLETOP/HOUSEWARES WAYFINDING TRELLIS 6x6 SQUARE	1	SET	70 lbs. per assembly (four 6' x 6' sections). 4 hang points per assembly	Aircraft Cable	1-2
BR-HM-151	BR73dRC / 37878	FURNITURE BANNER SET (3 pc) - 5' x 24in - CHAIR TABLE -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HM-152	BR73cRC / 37880	FURNITURE BANNER SET (3 pc) - 5' x 24in - STOOL TABLE -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HM-155	BR448	FURNITURE BANNER SET (3 pc) - 5' x 24in - CHAIR STOOL -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HM-159	BR451	BEDDING & BATH BANNER SET (3 pc) - 5' x 24in -REDUCED - BEDDING	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HM-40	BR66L	STORAGE BANNER SET (3 pc) - 5' x 24in -REDUCED	4	EA	8 lbs	dowel mount	32
BR-HM-509	BR430	10in FURNITURE TRELLIS COPY	1	EA	n/a	Paint	8
BR-HM-514	BR880	48in STORAGE COPY STENCIL	1	EA	n/a	Paint	8
BR-HW-1001	BR610	48in HOUSEWARES COPY STENCIL	1	SET	70 lbs. per assembly (four 6' x 6' sections). 4 hang points per assembly	Aircraft Cable	1-2
BR-HW-150	BR74eRC / 37882	PAINT WAYFINDING TRELLIS 6x6 SQUARE	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HW-151	BR74dRC / 37884	HARDWARE STORE BANNER SET (3 pc) - 5' x 24in - HAMMER -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HW-154	BR459	HARDWARE STORE BANNER SET (3 pc) - 5' x 24in - PLUG -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-HW-505	BR455	HARDWARE STORE BANNER SET (3 pc) - 5' x 24in - PAINT -REDUCED	1	EA	n/a	Paint	8
BR-HW-506	BR456	48in AUTO COPY STENCIL	1	EA	n/a	Paint	8
BR-HW-507	BR457	48in PAINT COPY STENCIL	1	EA	n/a	Paint	8
BR-ME-30	BR26	48in HARDWARE COPY STENCIL	1	EA	n/a	dowel mount	11
BR-ME-550	BR23	18in MEAT DEPARTMENT COPY (Dimensional)	1	EA	n/a	Paint	12
BR-ME-551	BR28	BARN TRANSPARENCY	1	EA	n/a	Paint	12
BR-ME-60	BR726	MEAT WALL TRANSPARENCY	1	EA	n/a	wall mounted	21
BR-ME-850	BR283	32in DÉCOR FRAME & COW MEDALLION	1	EA	n/a	s-hook	5
BR-ME-902	BR237	CATEGORY SIGNS - PERIMETER MEAT (7 phrases)	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PE-150	BR462	FLAME CRAFTED SIGN	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-PE-501	BR463	PETS BANNER SET (3 pc) - 5' x 24in -REDUCED	1	EA	n/a	Paint	8
BR-PL-10	BR60	48in PETS COPY STENCIL	608	SQFT	n/a	Wall Covering	24
		PLAYLAND MURAL (93'-5" X 6'-6" - continuous)					

BR-PL-900	BR239	PLAYLAND ATTENDANT SIGN	1	EA	n/a	D/S TAPE & ADHESIVE	35
BR-PR-40	BR66j	10in PRODUCE TRELLIS COPY	4	EA	8 lbs	dowel mount	32
BR-PR-904	BR554	FRESH GUARANTEE PRODUCE SIGN	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PR-905	BR555	CERTIFIED ORGANIC PRODUCE SIGN	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PR-906	BR556	GROWN LOCALLY PRODUCE SIGN	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PR-909	BR559	FARMER PROFILE PRODUCE SIGN	3	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PR-910	BR560	HANGING DANGLER PRODUCE SIGN	3	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PR-911	BR561	CERTIFIED ORGANIC HEADER PRODUCE SIGN	6	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-PR-912	BR562	ADDED VALUE 8IN PRODUCE SIGN	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	D/S TAPE & ADHESIVE	35
BR-PR-913	BR563	MAINTAIN FRESHNESS PRODUCE SIGN	2	EA	n/a	dowel mount	11
BR-RX-32	BR533	24in +PHARMACY COPY (Dimensional)	1	EA	n/a	dowel mount	11
BR-RX-33	BR534	10in PICK UP COPY (Dimensional)	1	EA	n/a	dowel mount	11
BR-RX-34	BR535	10in DROP OFF COPY (Dimensional)	1	EA	n/a	dowel mount	11
BR-RX-35	BR536	6in CONSULTATION COPY (Dimensional)	1	EA	n/a	Aircraft Cable	15
BR-RX-919	BR576	PHARMACY SIGN R1- HOURS	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-RX-920	BR577	PHARMACY SIGN R1- DIABETES CARE	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-RX-926	BR597	SERVICES SINGLE SIDED SIGN	1	EA	less than 20 lbs per hanging point (2 HANGING POINTS)	Aircraft Cable	15
BR-RX-928	BR599	VACCINATIONS SINGLE SIDED SIGN	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-SE-150	BR83aRC / 37890	SCHOOL BANNER SET (3 pc) - 5' x 24in - PEN -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-SE-350	BR103RC / 37912	GIFT REGISTRY BANNER 5' x 24in -REDUCED	1	EA	n/a	n/a	62
BR-SE-900	BR637	BANNER HANGING HDW.2-PT.UNIVERSAL	16	EA	n/a	dowel mount	11
BR-SF-30	BR26	18in SEAFOOD COPY (Dimensional)	1	EA	n/a	wall mounted	21
BR-SF-62	BR765	32in DÉCOR FRAME with FISH MEDALLION	1	EA	n/a	Aircraft Cable	9
BR-SP-150	BR473	SPORTS BANNER SET (3 pc) - 5' x 24in -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-TO-150	BR477	TOYS BANNER SET (3 pc) - 5' x 24in -REDUCED	1	EA	less than 20 lbs per hanging point (2 hanging points)	Aircraft Cable	9
BR-WB-100	BR71C / 37873	WINE BANNER SET (3 pc) 9' x 36in	2	EA	less than 20 lbs per hanging point (2 hanging points)	Paint	8
BR-WB-506	BR473	48in WINE & SPIRITS COPY STENCIL	1	EA	n/a		
BR-EN-TBD		3PC ELECTRONICS BANNERS	1	EA			
BR-ME-TBD		40" MEATS COPY	1	EA			
BR-172-01		BISTRO - PAN-ASIAN SUB-COPY	1	EA			
BR-172-02		43" BISTRO COPY	1	EA			
BR-172-03		CUSTOMER & MONEY SERVICES HANGING SIGN	1	EA			
BR-172-04		PLAYLAND WOOD SIGN 8'-6in x 2'-8in	1	EA			
BR-172-05		SEASONAL WAYFINDING TRELLIS - 6x6 SQUARE	1	EA			
BR-172-06		LOCAL ARTWORK MURAL	1	EA			

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LEGEND

- 100 — GENERAL CONTRACTOR NOTE
- 200 — PAINTING CONTRACTOR NOTE
- 300 — ELECTRICAL CONTRACTOR NOTE
- XXXXXX — KRS DECOR ELEMENT

Client:

Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

DECOR PARTS LIST

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
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5.		

PLOT DATE:
December 11, 2015

Drawn By:
DJJ

Checked By:
CLB

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Scale:
NTS

Project #:
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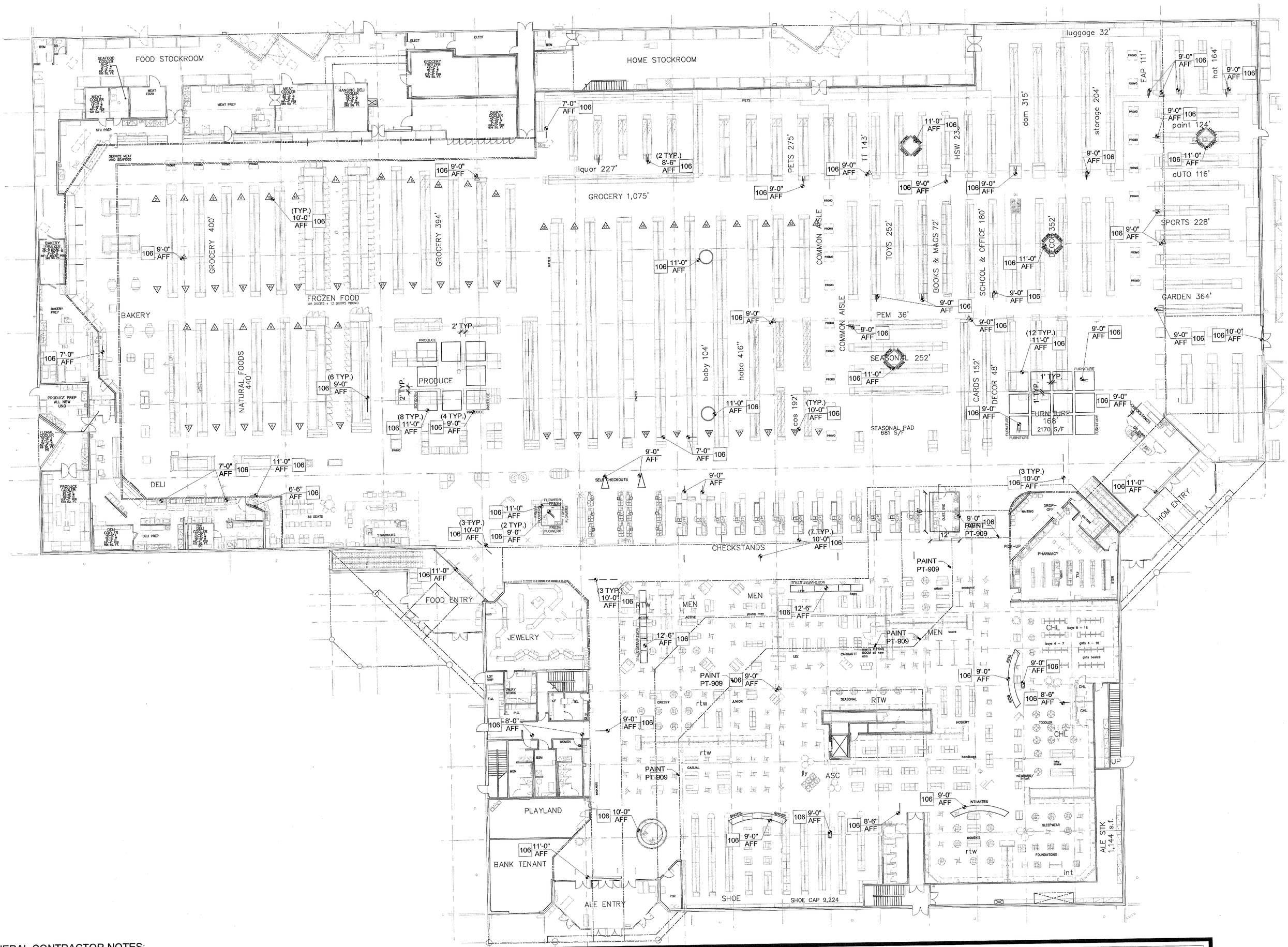
Project Date:
09.15

Sheet #:
I1.0

21-156-17



GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 NOT USED
- 115 NOT USED
- 116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 117 NOT USED

GENERAL NOTES CONTINUED:

- 118 NOT USED
- 119 NOT USED
- 120 NOT USED
- 122 NOT USED
- 123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.
- 124 NOT USED
- 128 NOT USED
- 129 NOT USED
- 130 NOT USED

PAINTER NOTES:

- 201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)
- 202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.
- 203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.
- 204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.
- 205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

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REFLECTED CEILING PLAN

Revisions:

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Drawn By: DJJ

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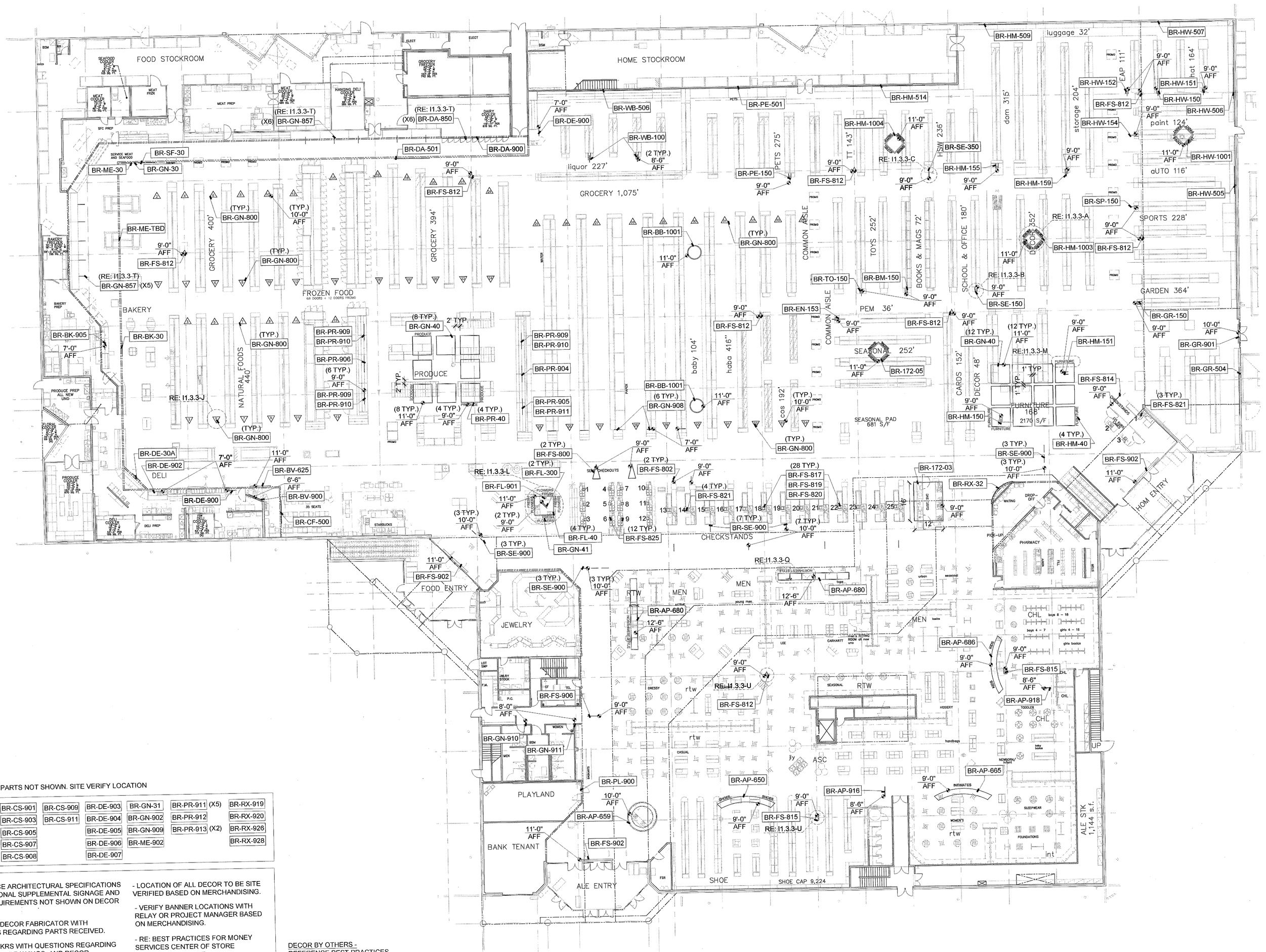
Scale: 1/16"=1'-0"

Project #: 8AE9Y

Project Date: 09.15

Sheet #: I1.3.1



NOTE: DECOR PARTS NOT SHOWN. SITE VERIFY LOCATION

BR-AP-913	BR-CS-901	BR-CS-909	BR-DE-903	BR-GN-31	BR-PR-911 (X5)	BR-RX-919
BR-AP-917	BR-CS-903	BR-CS-911	BR-DE-904	BR-GN-902	BR-PR-912	BR-RX-920
BR-BB-901	BR-CS-905		BR-DE-905	BR-GN-909	BR-PR-913 (X2)	BR-RX-926
BR-BK-901	BR-CS-907		BR-DE-906	BR-ME-902		BR-RX-928
BR-BK-902	BR-CS-908		BR-DE-907			

NOTES:
- REFERENCE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL SUPPLEMENTAL SIGNAGE AND FINISH REQUIREMENTS NOT SHOWN ON DECOR DRAWINGS.
- CONTACT DECOR FABRICATOR WITH QUESTIONS REGARDING PARTS RECEIVED.
- CONTACT KRS WITH QUESTIONS REGARDING THE DESIGN, DRAWINGS, AND DECOR PLACEMENT CONFLICTS. CALL 1-800-533-2796.
- LOCATION OF ALL DECOR TO BE SITE VERIFIED BASED ON MERCHANDISING.
- VERIFY BANNER LOCATIONS WITH RELAY OR PROJECT MANAGER BASED ON MERCHANDISING.
- RE: BEST PRACTICES FOR MONEY SERVICES CENTER OF STORE INSTALLATION GUIDE
- CATEGORY SIGNS AND BRACKETS ARE PROVIDED BY C.I.P.

DECOR BY OTHERS - REFERENCE BEST PRACTICES
KCSD
MURRAY'S CHEESE
BOARS HEAD

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DECOR PLAN

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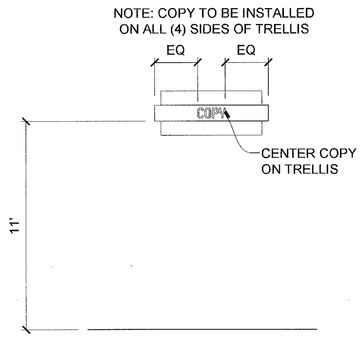
Scale: 1/16"=1'-0"

Project #: 8AE9Y

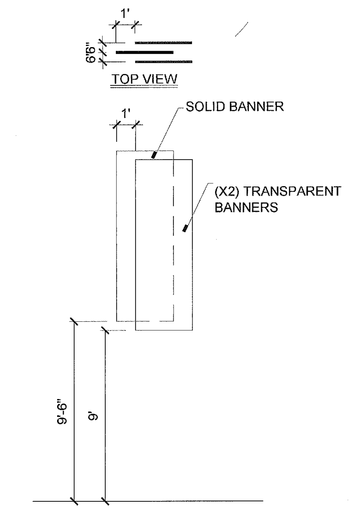
Project Date: 09.15

Sheet #: I1.3.2

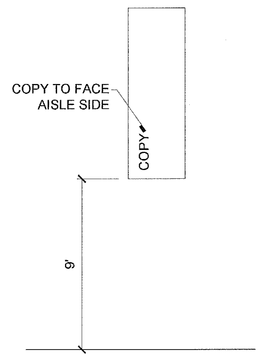
21'-6 5/7"



A TYP WAYFINDING TRELLIS ELEVATION
SCALE 1/4"= 1'-0"



B TYP 3 BANNER ELEVATION
SCALE 1/4"= 1'-0"



C TYP SINGLE BANNER ELEVATION IN AISLE
SCALE 1/4"= 1'-0"

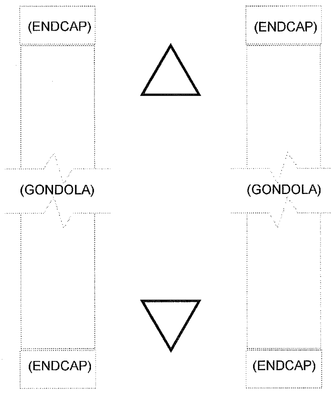
D NOT USED
SCALE 1/4"= 1'-0"

E NOT USED
SCALE 1/4"= 1'-0"

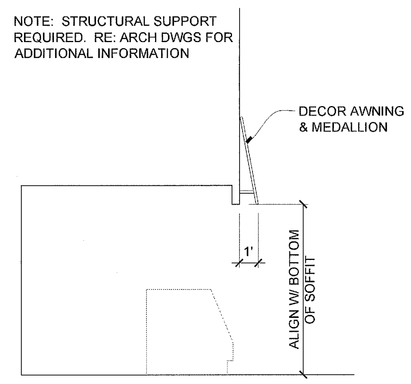
F NOT USED
SCALE 1/4"= 1'-0"

G NOT USED
SCALE 1/4"= 1'-0"

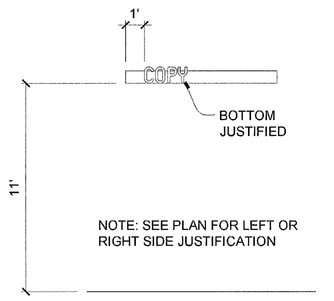
H NOT USED
SCALE 1/4"= 1'-0"



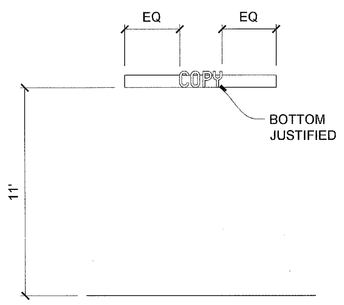
J TYP AISLE MARKER LAYOUT
SCALE 1/4"= 1'-0"



K DECOR AWNING SECTION
SCALE 1/4"= 1'-0"



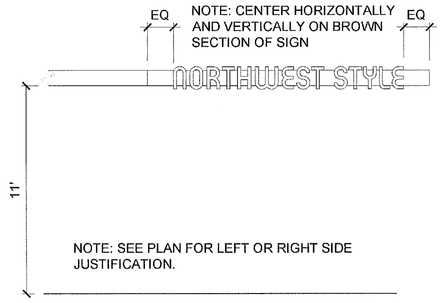
L FLORAL & FOOD TRELLIS COPY
SCALE 1/4"= 1'-0"



M SPECIALTY DEPT. TRELLIS COPY
SCALE 1/4"= 1'-0"

N NOT USED
SCALE 1/4"= 1'-0"

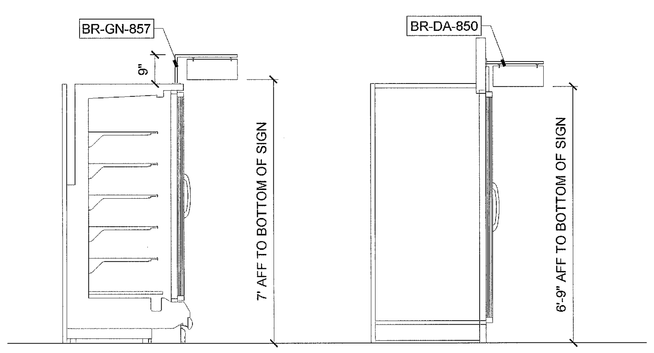
P NOT USED
SCALE 1/4"= 1'-0"



Q APPAREL DEPT. HANGING SIGN/COPY
SCALE 1/4"= 1'-0"

R NOT USED
SCALE 1/4"= 1'-0"

S NOT USED
SCALE 1/4"= 1'-0"



T TYP BRACKET MOUNTING HEIGHTS
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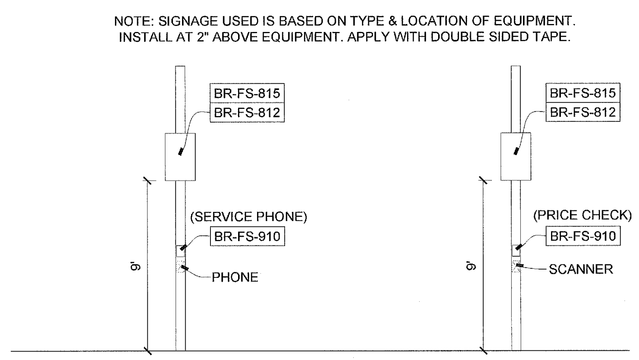
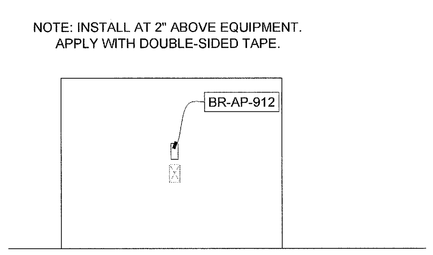


U TYP PRICE CHECK INSTRUCTIONAL SIGN MOUNTING HEIGHTS
SCALE 1/4"= 1'-0"



V FITTING RM SERVICE SIGN MOUNTING HEIGHT
SCALE 1/4"= 1'-0"

W NOT USED
SCALE 1/4"= 1'-0"

21-154147

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KRS
3850 WEST 1ST AVENUE EUGENE, OREGON 97402
O 541.686.2848 F 541.485.4047 W KINGRS.COM

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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:
FRED MEYER #172 KENT, WA.

Sheet Title:
DECOR INSTALL DETAILS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

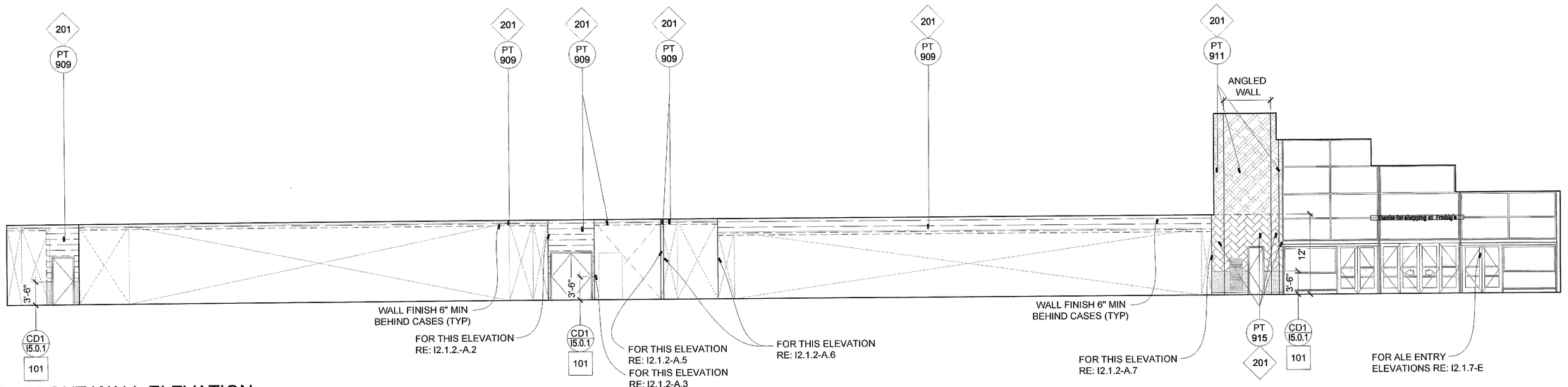
RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

Scale: AS SHOWN

Project #: 8AE9Y

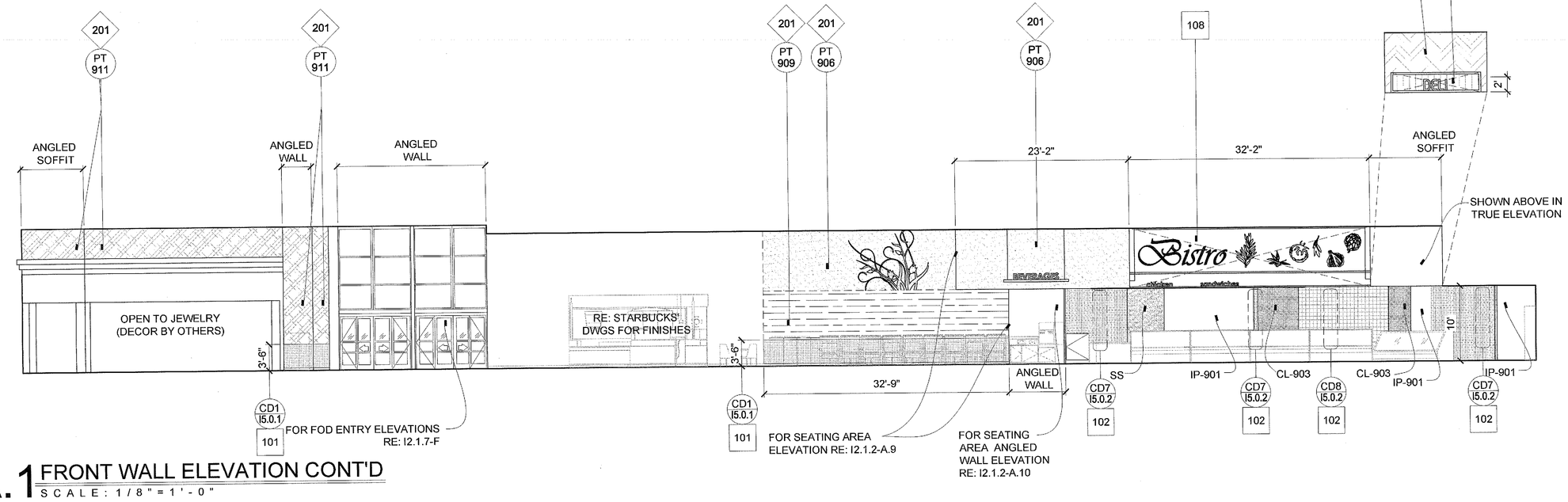
Project Date: 09.15

Sheet #: I1.3.3



A FRONT WALL ELEVATION

SCALE: 1/8" = 1'-0"



A.1 FRONT WALL ELEVATION CONT'D

SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 NOT USED
- 115 NOT USED
- 116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 117 NOT USED

GENERAL NOTES CONTINUED:

- 118 NOT USED
- 119 NOT USED
- 120 NOT USED
- 122 NOT USED
- 123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.
- 124 NOT USED
- 128 NOT USED
- 129 NOT USED
- 130 NOT USED

PAINTER NOTES:

- 201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)
- 202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.
- 203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.
- 204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.
- 205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

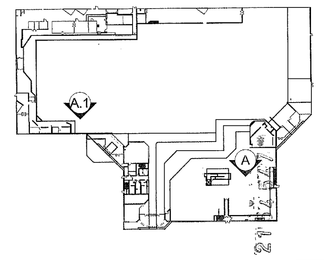
ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

KEY PLAN



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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

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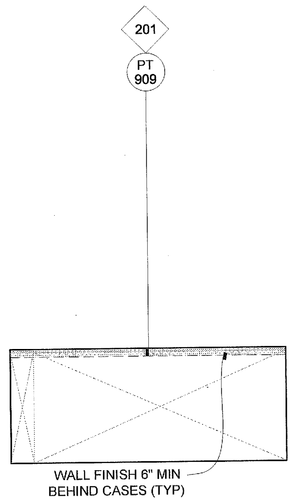
DEC 22 2015
CITY OF KENT
PLANNING CENTER

Scale: 1/8"=1'-0"

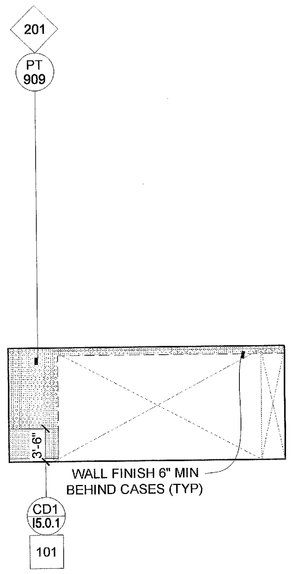
Project #: 8AE9Y

Project Date: 09.15

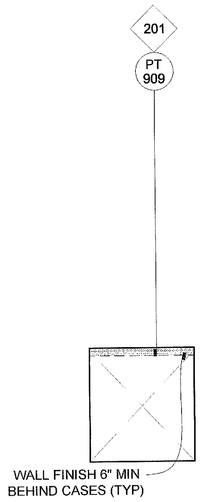
Sheet #: I2.1.1



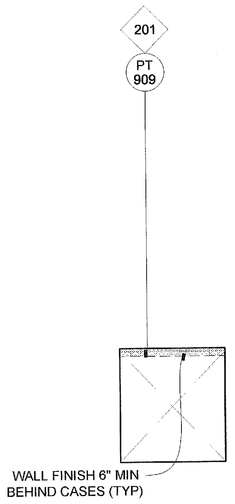
A.2 WOMEN'S SIDEWALL ELEVATION
SCALE: 1/8" = 1'-0"



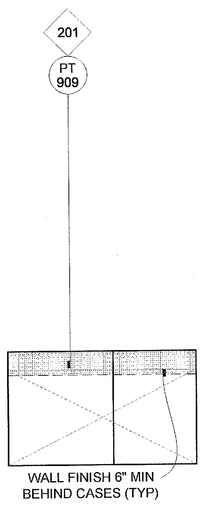
A.3 WOMEN'S DRESSING ROOM ELEVATION
SCALE: 1/8" = 1'-0"



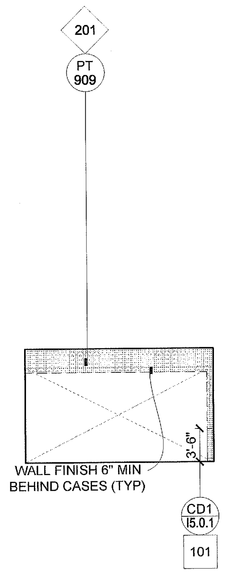
A.4 WOMEN'S DRESSING ROOM ELEVATION
SCALE: 1/8" = 1'-0"



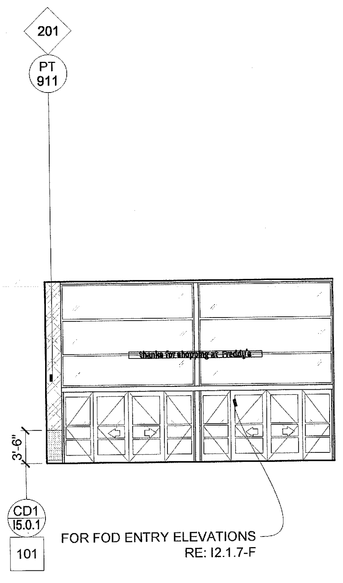
A.5 WOMEN'S DRESSING ROOM ELEVATION
SCALE: 1/8" = 1'-0"



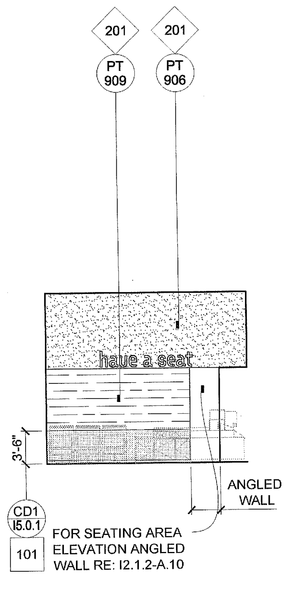
A.6 SHOES SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



A.7 SHOES ALE ENTRY SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



A.8 FOOD ENTRY ELEVATION
SCALE: 1/8" = 1'-0"



A.9 SEATING AREA SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"

A.10 SEATING AREA ANGLED WALL ELEVATION
SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 NOT USED
- 115 NOT USED
- 116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 117 NOT USED

GENERAL NOTES CONTINUED:

- 118 NOT USED
- 119 NOT USED
- 120 NOT USED
- 122 NOT USED
- 123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.
- 124 NOT USED
- 128 NOT USED
- 129 NOT USED
- 130 NOT USED

PAINTER NOTES:

- 201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)
- 202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.
- 203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.
- 204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.
- 205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

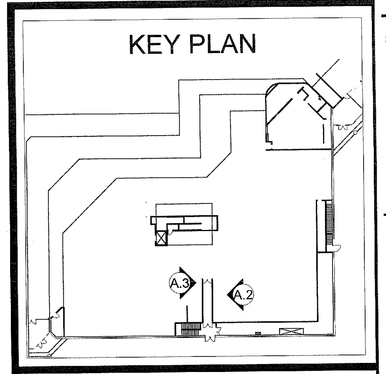
ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

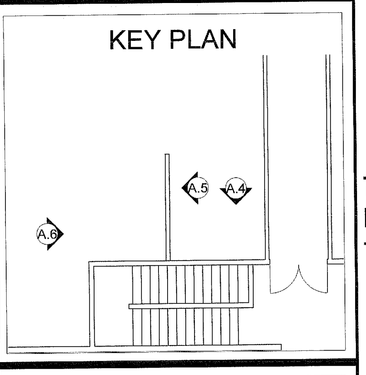
DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

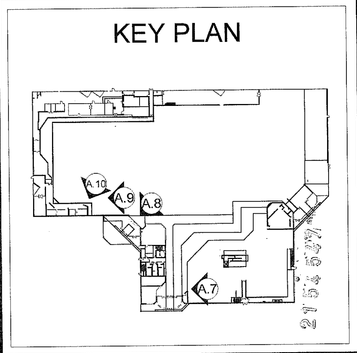
KEY PLAN



KEY PLAN



KEY PLAN



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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
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4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

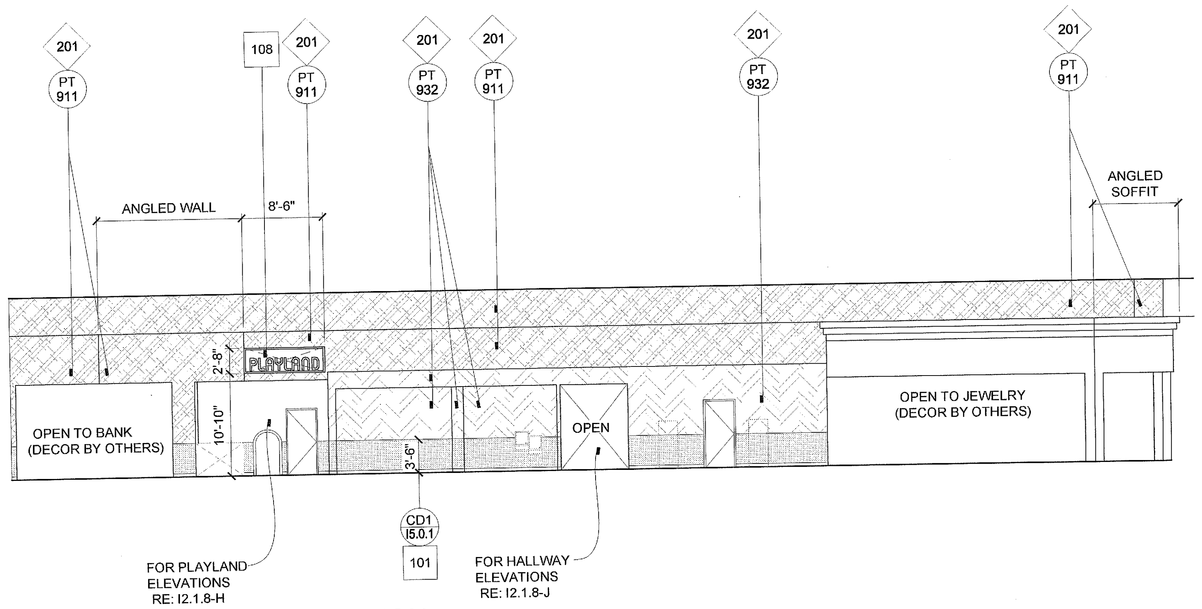
RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

Scale: 1/8"=1'-0"

Project #: 8AE9Y

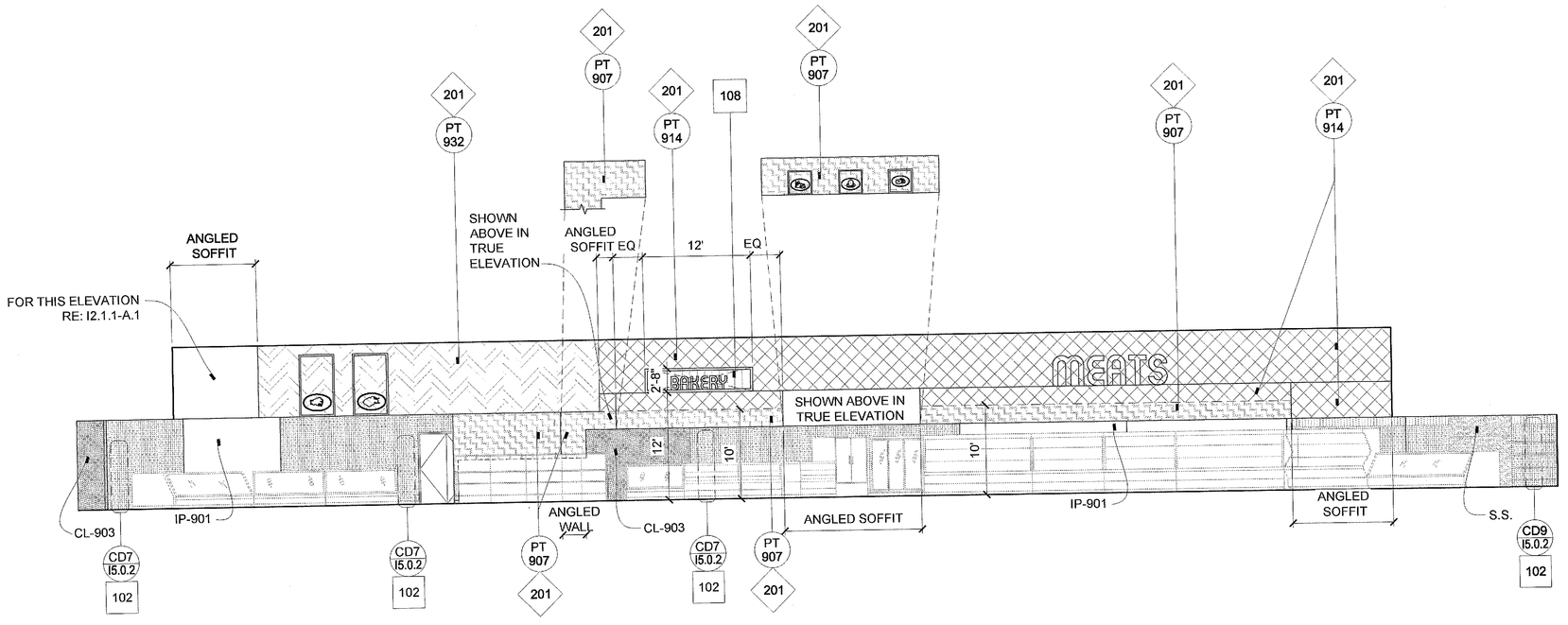
Project Date: 09.15

Sheet #: I2.1.2



B LEFT WALL / ALE ELEVATION

SCALE: 1/8" = 1'-0"



B.1 LEFT WALL / SERVICE AREAS ELEVATION

SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 NOT USED
- 115 NOT USED
- 116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 117 NOT USED

GENERAL NOTES CONTINUED:

- 118 NOT USED
- 119 NOT USED
- 120 NOT USED
- 122 NOT USED
- 123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.
- 124 NOT USED
- 128 NOT USED
- 129 NOT USED
- 130 NOT USED

PAINTER NOTES:

- 201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)
- 202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.
- 203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.
- 204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.
- 205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

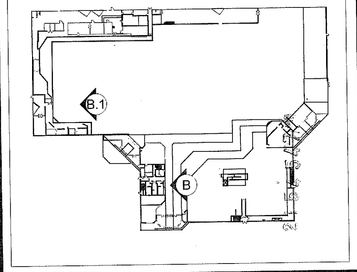
ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

KEY PLAN



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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

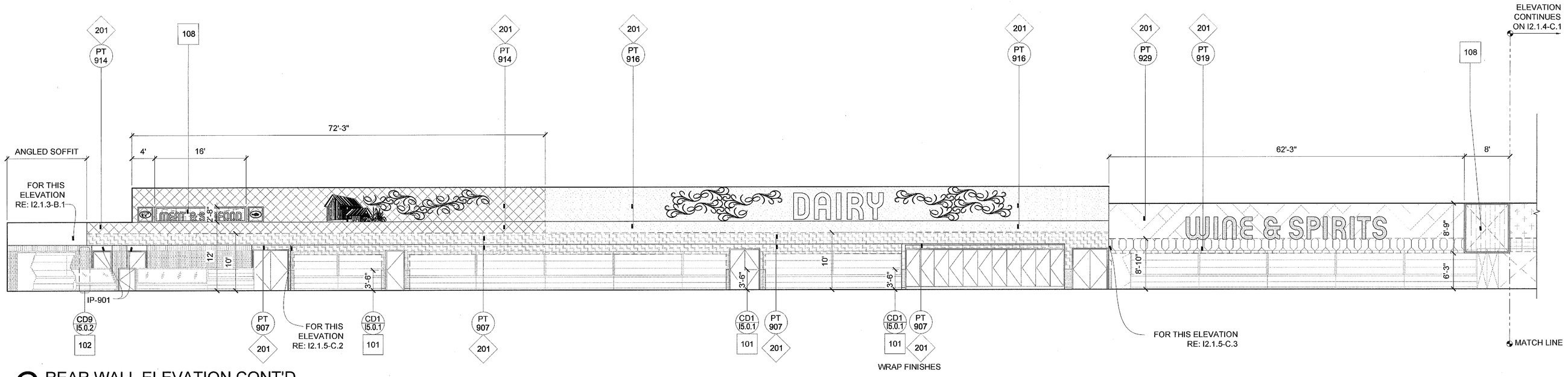
RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

Scale: 1/8"=1'-0"

Project #: 8AE9Y

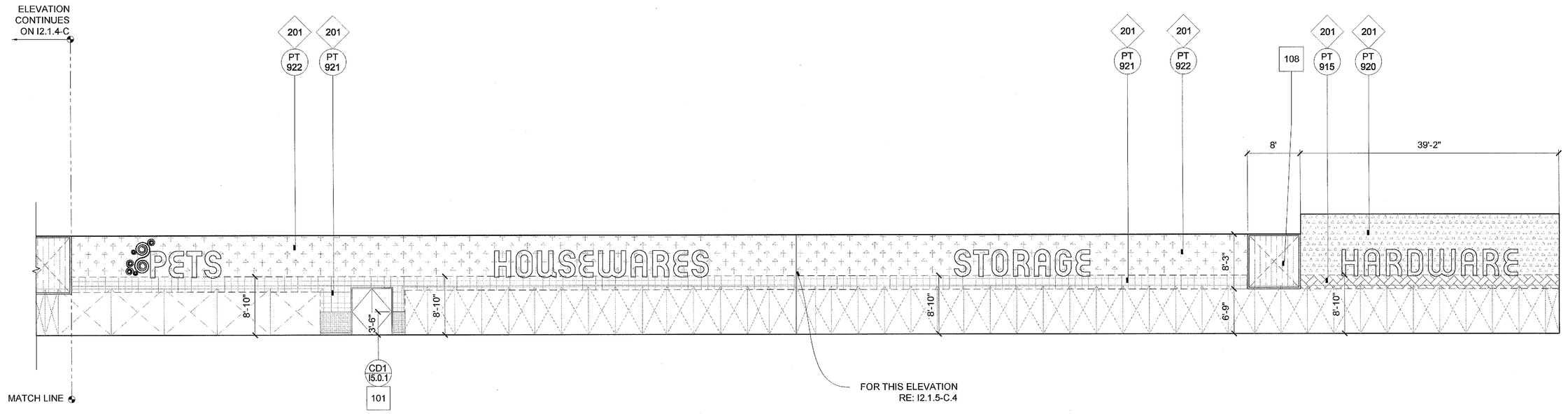
Project Date: 09.15

Sheet #: I2.1.3



C REAR WALL ELEVATION CONT'D

SCALE: 1/8" = 1'-0"



C.1 REAR WALL ELEVATION CONT.

SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 NOT USED
- 115 NOT USED
- 116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 117 NOT USED

GENERAL NOTES CONTINUED:

- 118 NOT USED
- 119 NOT USED
- 120 NOT USED
- 122 NOT USED
- 123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.
- 124 NOT USED
- 128 NOT USED
- 129 NOT USED
- 130 NOT USED

PAINTER NOTES:

- 201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)
- 202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.
- 203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.
- 204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.
- 205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

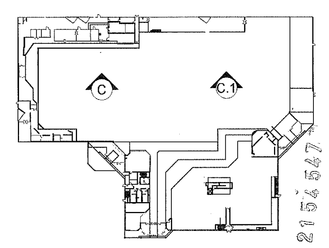
ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

KEY PLAN



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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

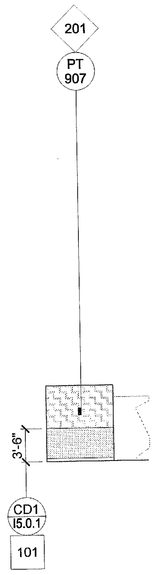
RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

Scale: 1/8"=1'-0"

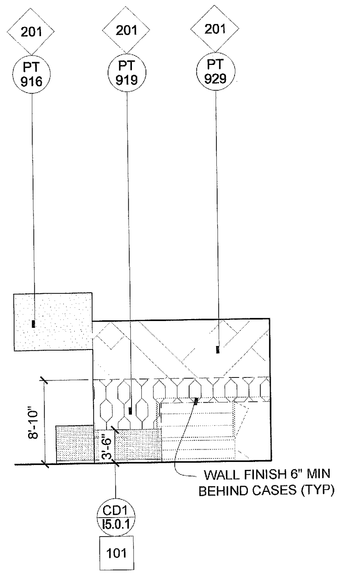
Project #: 8AE9Y

Project Date: 09.15

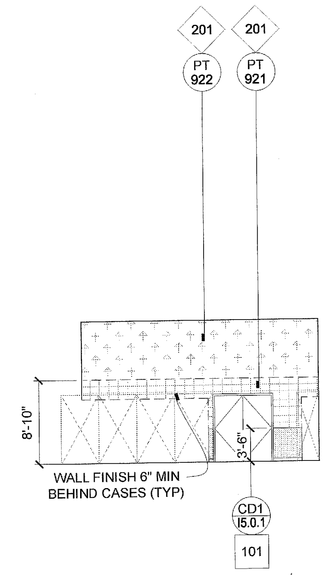
Sheet #: I2.1.4



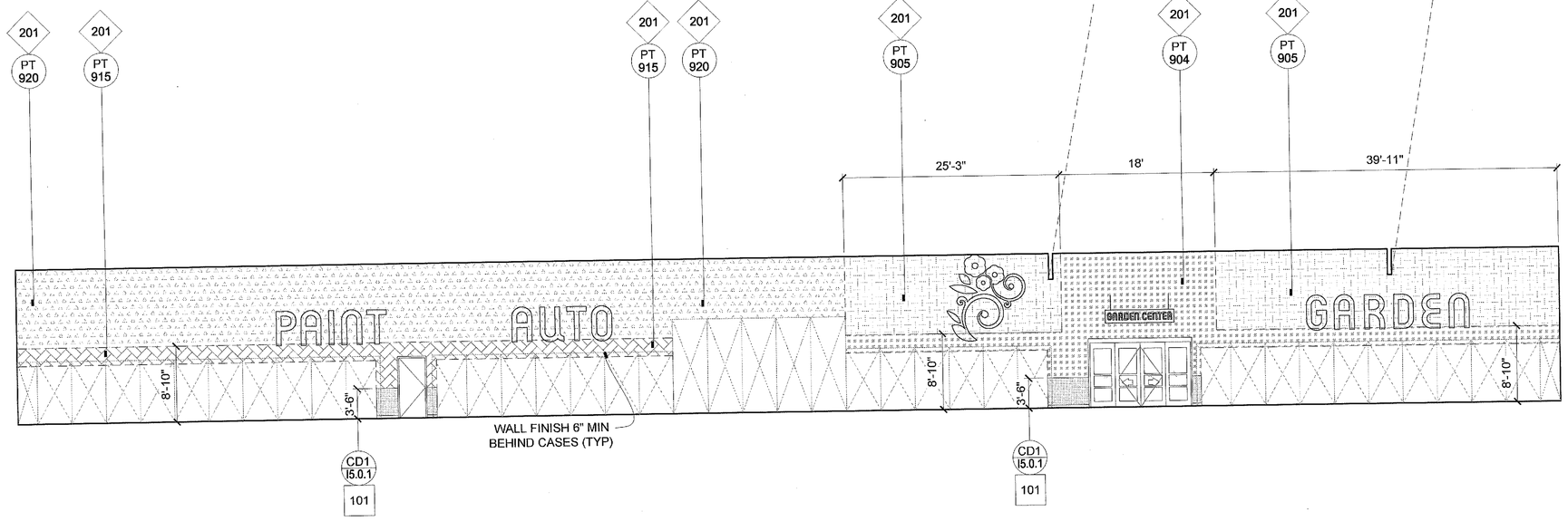
C.2 SFC SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



C.3 LIQUOR SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



C.4 KITCHEN SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



D RIGHT WALL ELEVATION
SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.

102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.

103 NOT USED

104 NOT USED

105 NOT USED

106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.

107 NOT USED

108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

109 NOT USED

110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.

111 NOT USED

112 NOT USED

113 NOT USED

114 NOT USED

115 NOT USED

116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR

117 NOT USED

GENERAL NOTES CONTINUED:

118 NOT USED

119 NOT USED

120 NOT USED

122 NOT USED

123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.

124 NOT USED

128 NOT USED

129 NOT USED

130 NOT USED

PAINTER NOTES:

201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE. EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)

202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.

203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.

204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.

205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

ELECTRICAL NOTES:

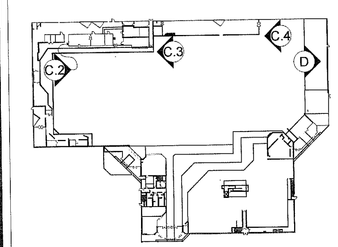
301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.

302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

KEY PLAN



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LEGEND

100 GENERAL CONTRACTOR NOTE

200 PAINTING CONTRACTOR NOTE

300 ELECTRICAL CONTRACTOR NOTE

XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

RECEIVED
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CITY OF KENT
PERMIT CENTER

Scale: 1/8"=1'-0"

Project #: 8AE9Y

Project Date: 09.15

Sheet #: I2.1.5

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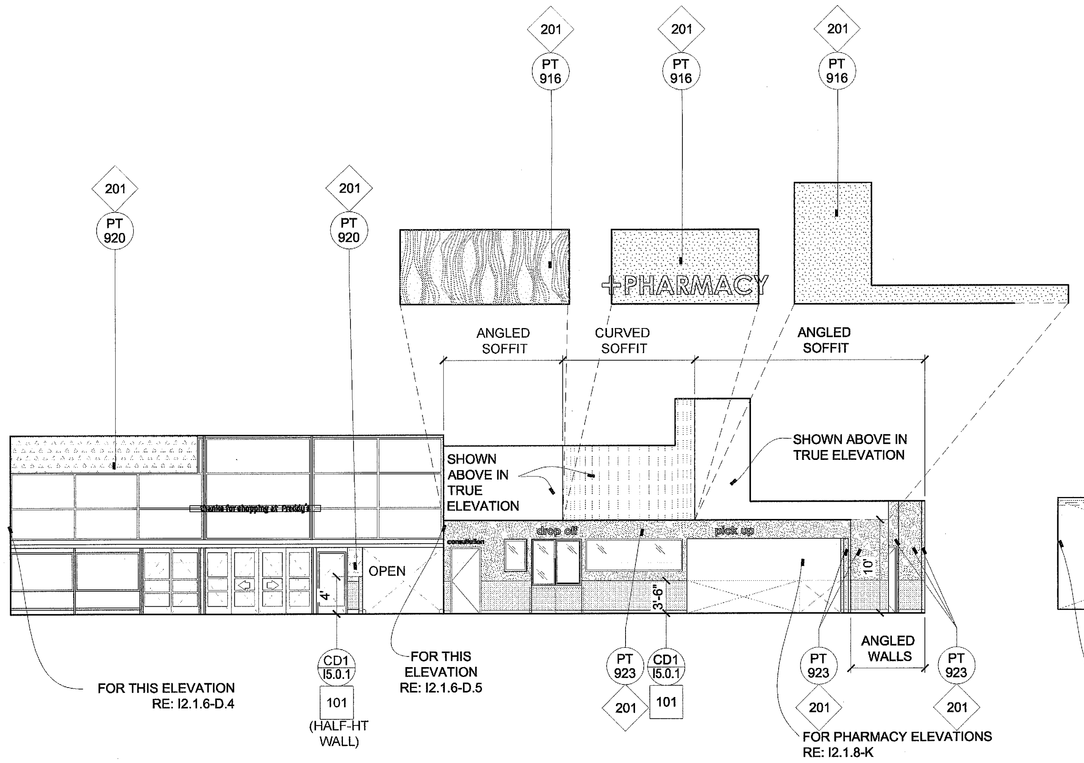
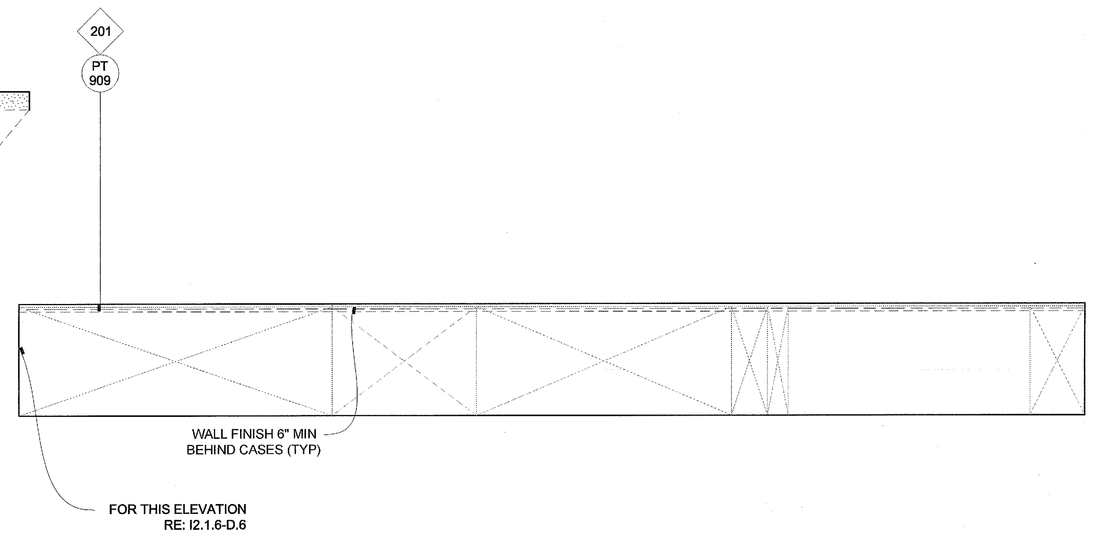
DEC 22 2015



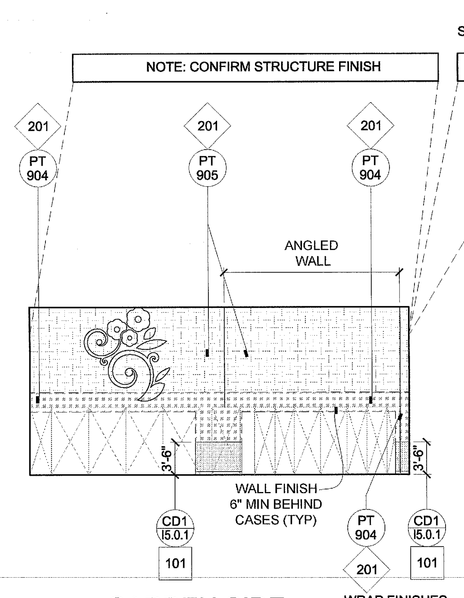
D.1 RIGHT WALL ELEVATION CONT'D

SCALE: 1/8" = 1'-0"



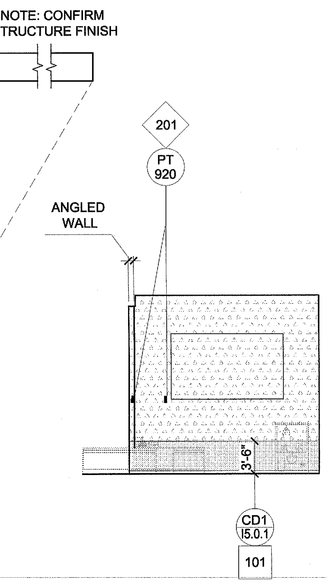
D.2 RIGHT WALL ELEVATION CONT'D

SCALE: 1/8" = 1'-0"



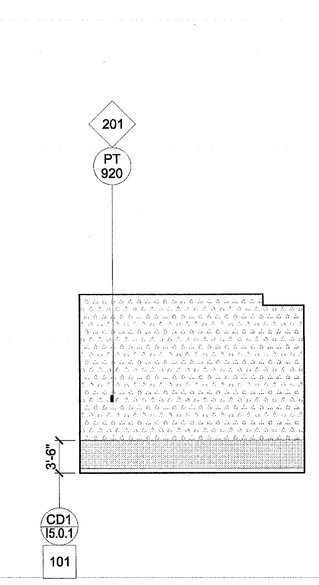
D.3 GARDEN SIDE WALL ELEVATION

SCALE: 1/8" = 1'-0"



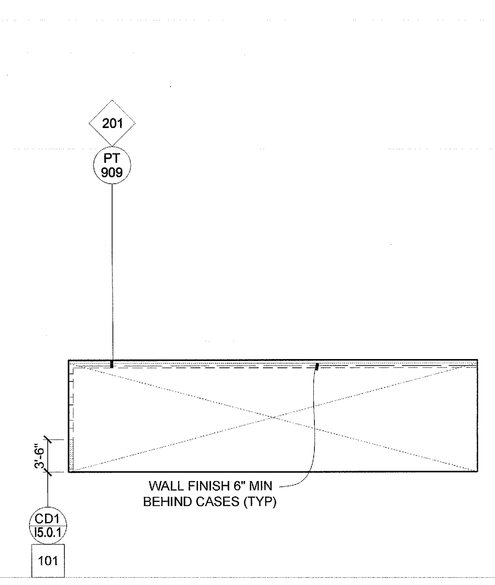
D.4 HOM ENTRY LEFT SIDE WALL ELEVATION

SCALE: 1/8" = 1'-0"



D.5 HOM ENTRY RIGHT SIDE WALL ELEVATION

SCALE: 1/8" = 1'-0"



D.6 CHILDREN SIDE WALL ELEVATION

SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 NOT USED
- 115 NOT USED
- 116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 117 NOT USED

GENERAL NOTES CONTINUED:

- 118 NOT USED
- 119 NOT USED
- 120 NOT USED
- 122 NOT USED
- 123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.
- 124 NOT USED
- 128 NOT USED
- 129 NOT USED
- 130 NOT USED

PAINTER NOTES:

- 201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)
- 202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.
- 203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.
- 204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.
- 205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

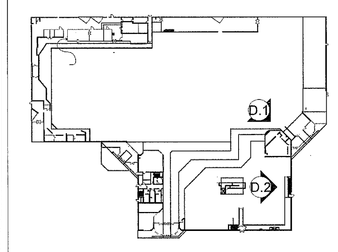
ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

KEY PLAN



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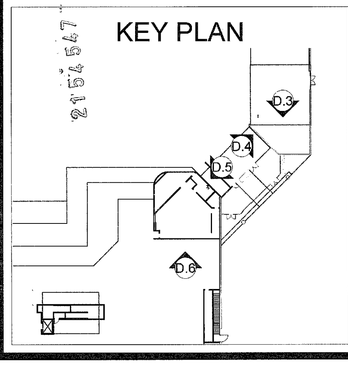

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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

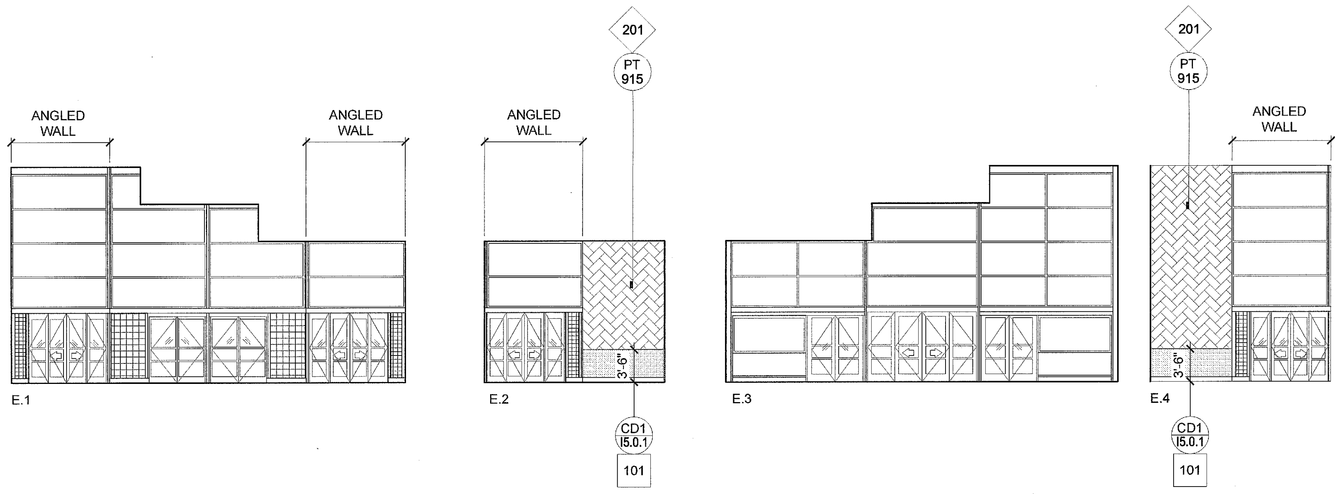
RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

Scale: 1/8"=1'-0"

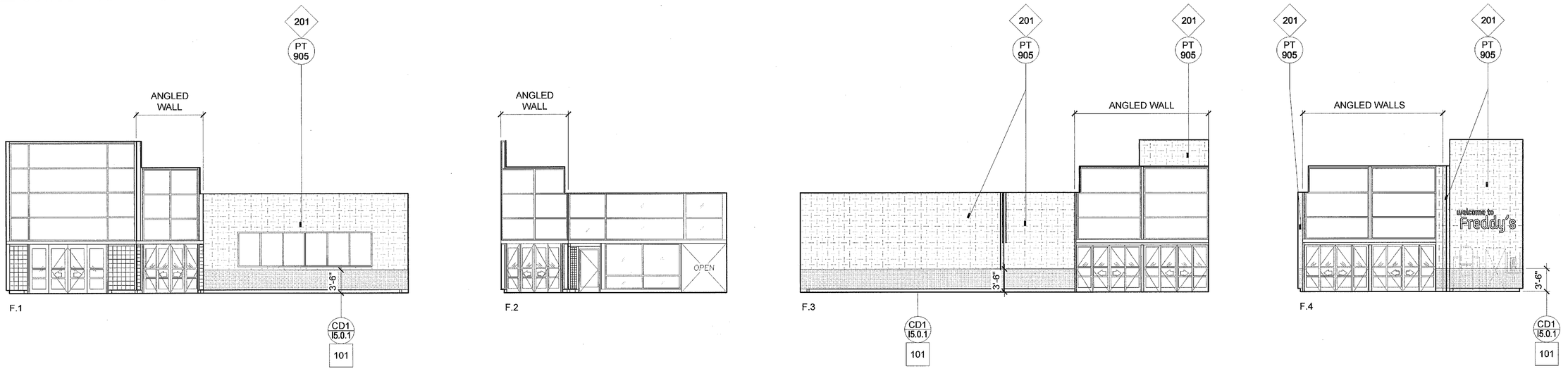
Project #: 8AE9Y

Project Date: 09.15

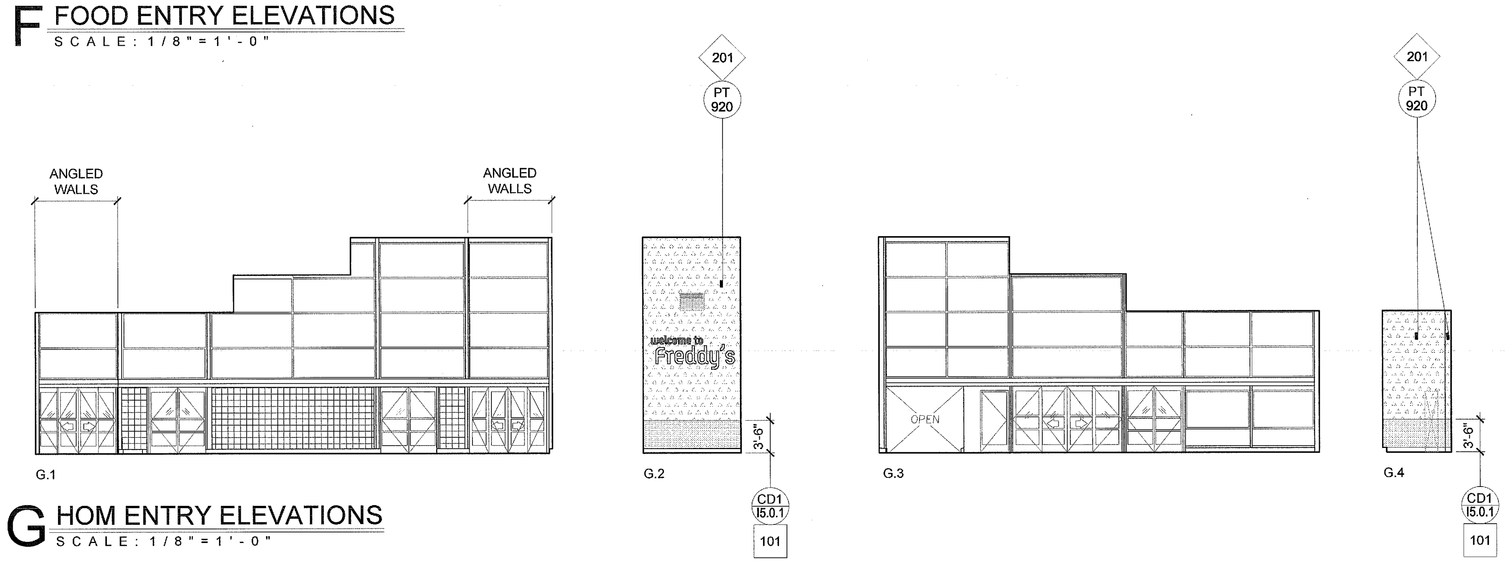
Sheet #: I2.1.6



E ALE ENTRY ELEVATIONS
SCALE: 1/8" = 1'-0"



F FOOD ENTRY ELEVATIONS
SCALE: 1/8" = 1'-0"



G HOM ENTRY ELEVATIONS
SCALE: 1/8" = 1'-0"

FOR PAINT COLOR SPECIFICATIONS RE: I5.0.1

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

- 101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.
- 102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR
- 103 NOT USED
- 104 NOT USED
- 105 NOT USED
- 106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.
- 107 NOT USED
- 108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

- 109 NOT USED
- 110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.
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- 113 NOT USED
- 114 NOT USED
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ELECTRICAL NOTES:

- 301 PROVIDE AND INSTALL ALL LIGHTING, REFER TO ELECTRICAL DRAWING SET.
- 302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
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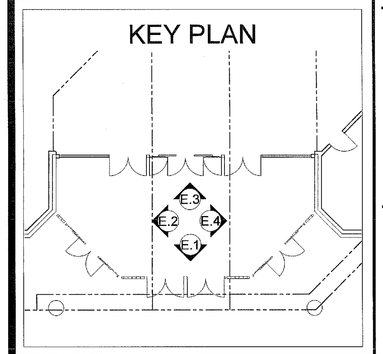
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

KEY PLAN



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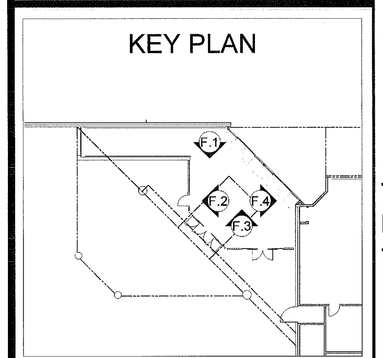

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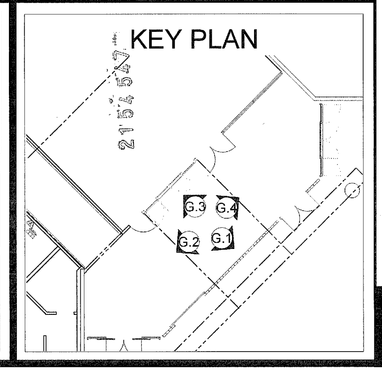

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- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

Scale: 1/8"=1'-0"

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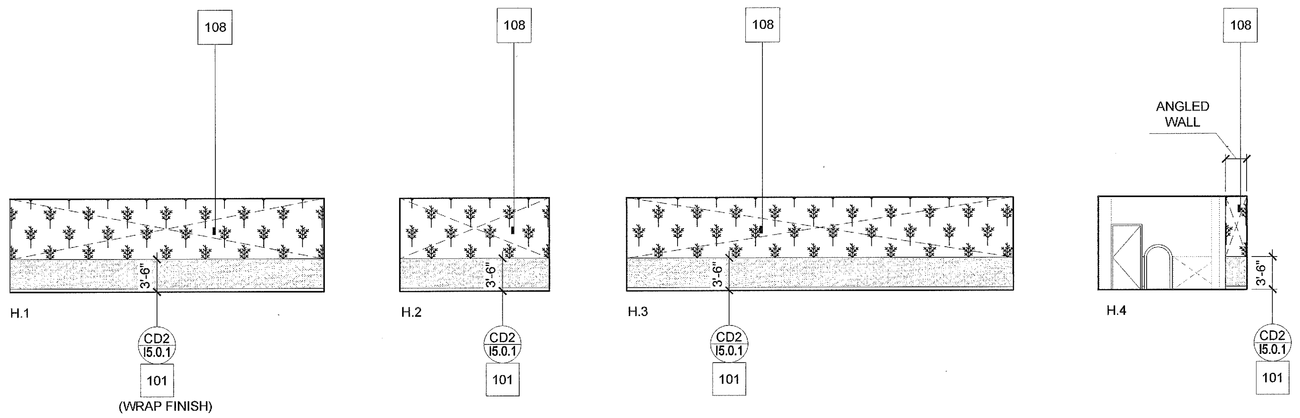
DEC 22 2015
CITY OF KENT
PERMIT CENTER

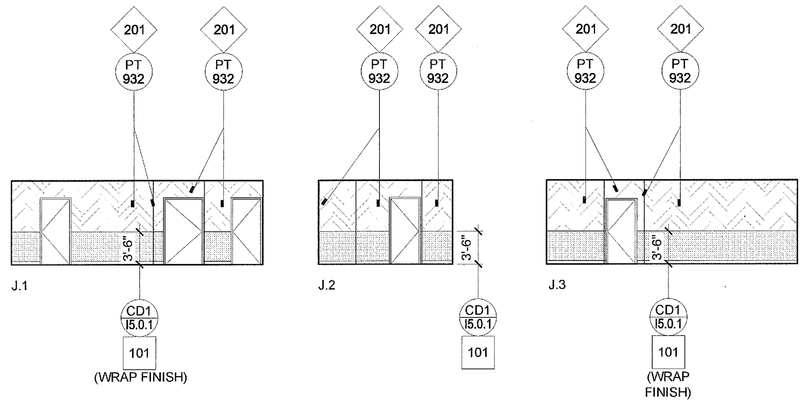
Project #: 8AE9Y

Project Date: 09.15

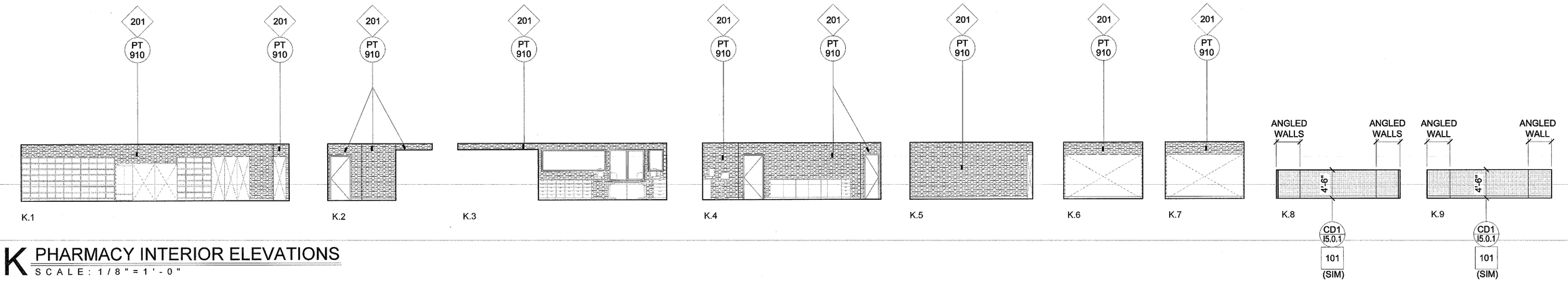
Sheet #: I2.1.7



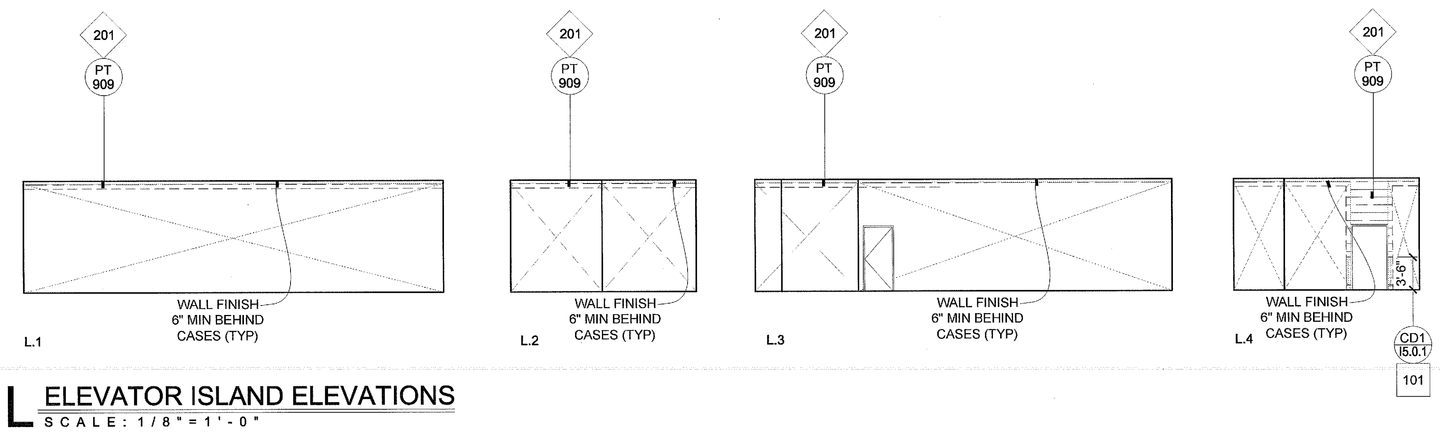
H PLAYLAND ELEVATIONS
SCALE: 1/8" = 1'-0"



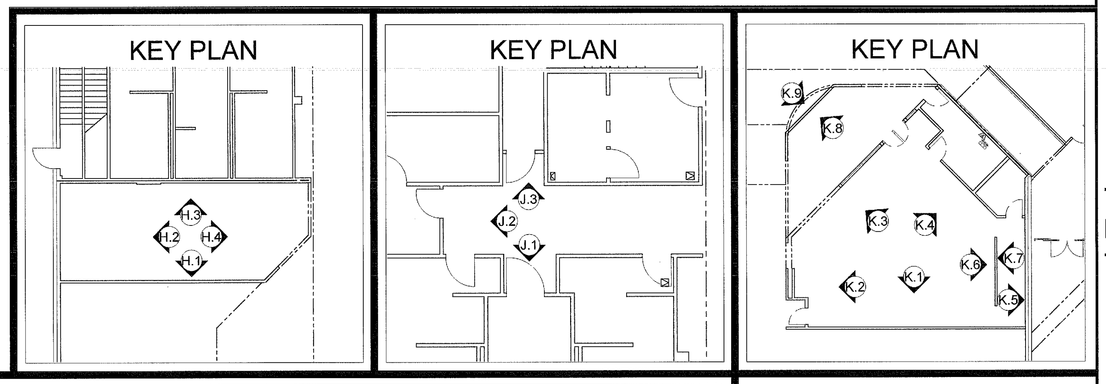
J HALLWAY ELEVATIONS
SCALE: 1/8" = 1'-0"



K PHARMACY INTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"



L ELEVATOR ISLAND ELEVATIONS
SCALE: 1/8" = 1'-0"



GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

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103 NOT USED

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105 NOT USED

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ELECTRICAL NOTES:

301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.

302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
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LEGEND

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200 PAINTING CONTRACTOR NOTE

300 ELECTRICAL CONTRACTOR NOTE

XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
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5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

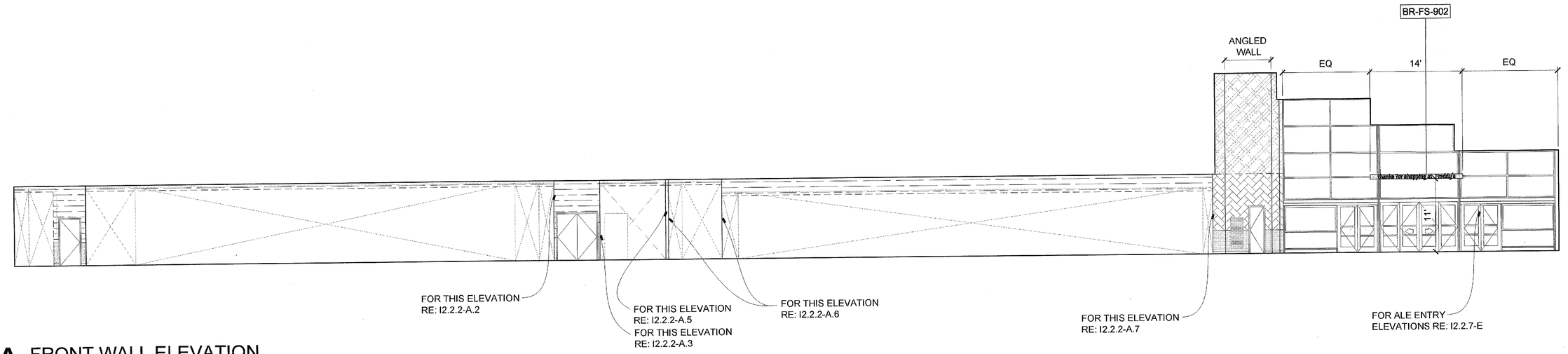
RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

Scale: 1/8"=1'-0"

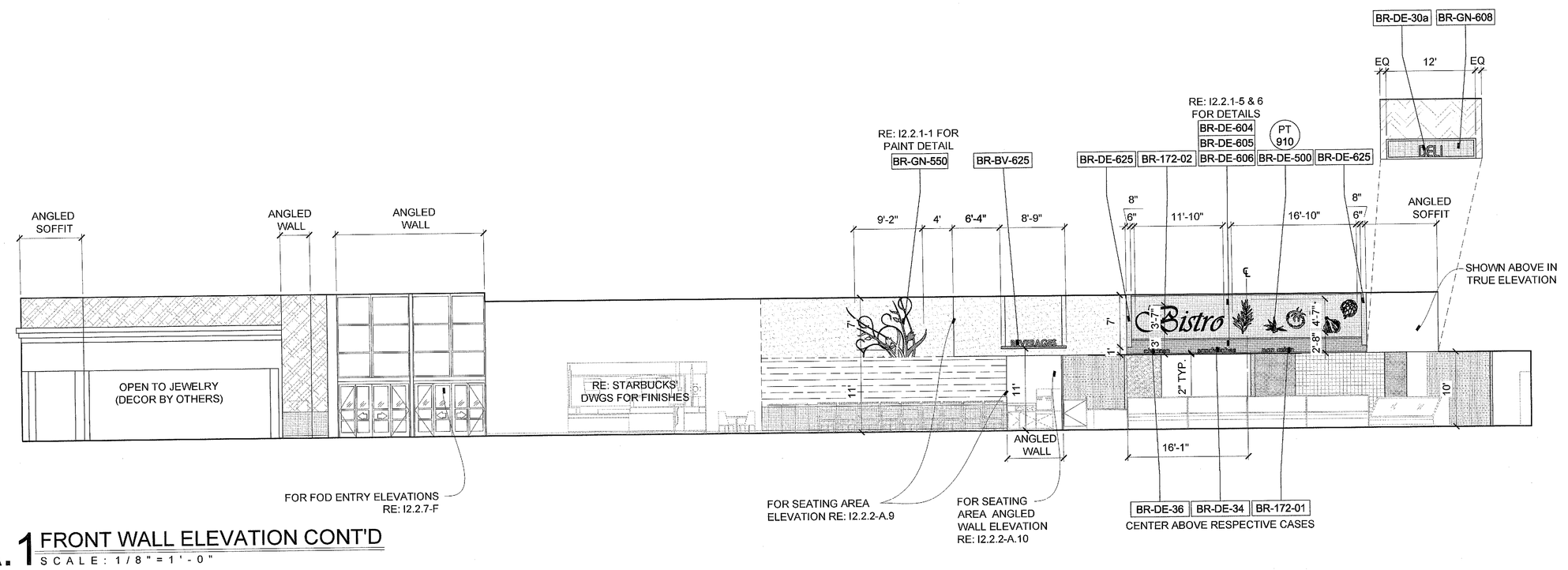
Project #: 8AE9Y

Project Date: 09.15

Sheet #: I2.1.8



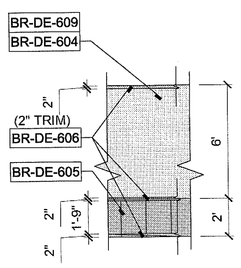
A FRONT WALL ELEVATION
SCALE: 1/8" = 1'-0"



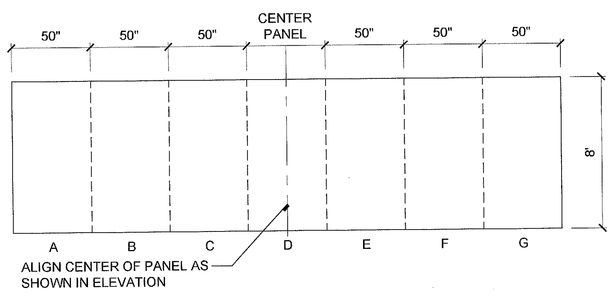
A.1 FRONT WALL ELEVATION CONT'D
SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS				
CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

1 TRANSPARENCY PAINT DETAIL
SCALE: 1/4" = 1'-0"



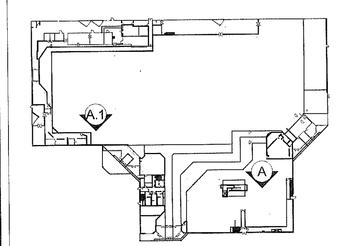
5 BISTRO PANELS & TRIM DETAIL
SCALE: 1/4" = 1'-0"



NOTE: USE DE-609 PANELS AT THE EACH END OF DE-604.

6 BISTRO UPPER WALLCOVERING
SCALE: 1/4" = 1'-0"

KEY PLAN



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- XXXXXX KRS DECOR ELEMENT

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Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

DECOR ELEVATIONS

Revisions:

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PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

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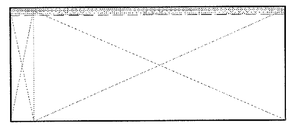
Scale: 1/8"=1'-0"

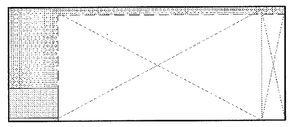
Project #: 8AE9Y

Project Date: 09.15

Sheet #: I2.2.1



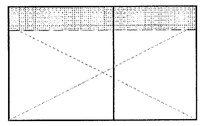
A.2 WOMEN'S SIDEWALL ELEVATION
SCALE: 1/8" = 1'-0"



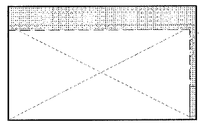
A.3 WOMEN'S DRESSING ROOM ELEVATION
SCALE: 1/8" = 1'-0"

A.4 WOMEN'S DRESSING ROOM ELEVATION
SCALE: 1/8" = 1'-0"

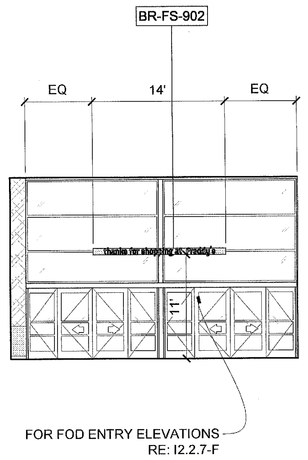
A.5 WOMEN'S DRESSING ROOM ELEVATION
SCALE: 1/8" = 1'-0"



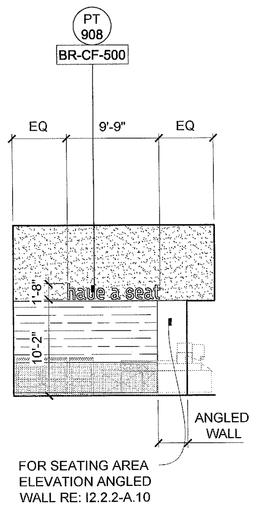
A.6 SHOES SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



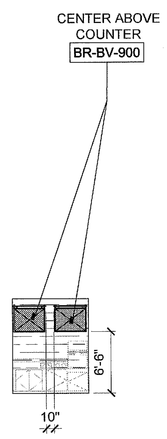
A.7 SHOES ALE ENTRY SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



A.8 FOOD ENTRY ELEVATION
SCALE: 1/8" = 1'-0"



A.9 SEATING AREA SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



A.10 SEATING AREA ANGLED WALL ELEVATION
SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS

CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

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LEGEND

100 GENERAL CONTRACTOR NOTE

200 PAINTING CONTRACTOR NOTE

300 ELECTRICAL CONTRACTOR NOTE

XXXXXX KRS DECOR ELEMENT

Client:

Kroger

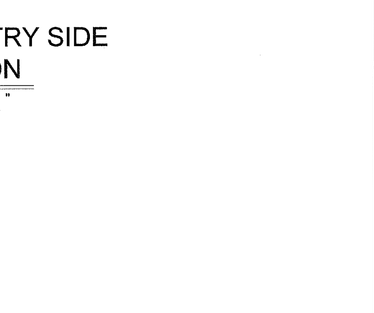
Project Title:

FRED MEYER #172 KENT, WA.

KEY PLAN

KEY PLAN

KEY PLAN



Sheet Title:

DECOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
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PLOT DATE:
December 11, 2015

Drawn By:
DJJ

Checked By:
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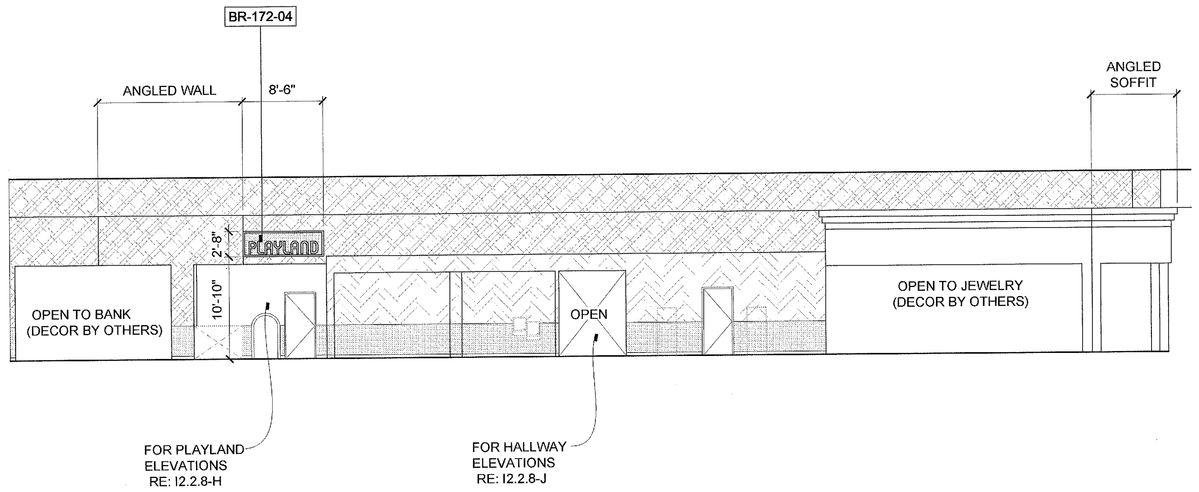
PLANNING CENTER

Scale:
1/8"=1'-0"

Project #:
8AE9Y

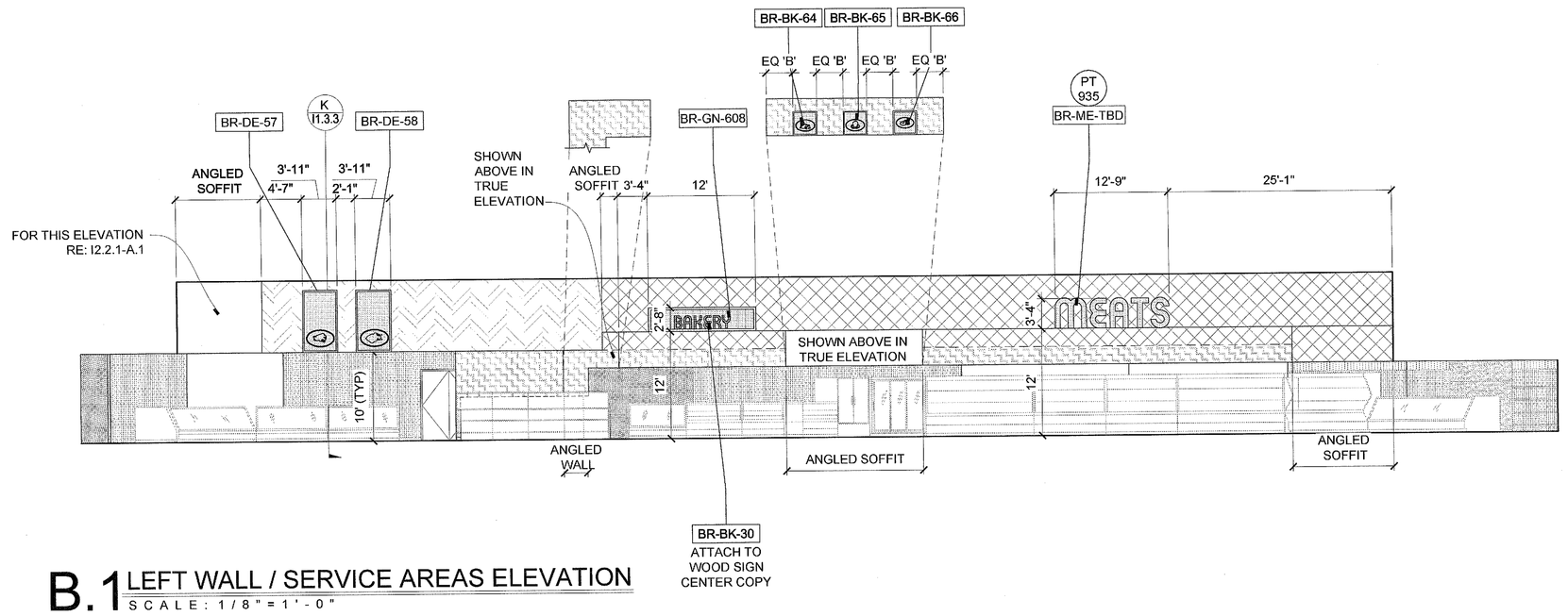
Project Date:
09.15

Sheet #:
I2.2.2



B LEFT WALL / ALE ELEVATION

SCALE: 1/8" = 1'-0"



B.1 LEFT WALL / SERVICE AREAS ELEVATION

SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS

CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

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LEGEND

- 100 — GENERAL CONTRACTOR NOTE
- 200 — PAINTING CONTRACTOR NOTE
- 300 — ELECTRICAL CONTRACTOR NOTE
- XXXXXX — KRS DECOR ELEMENT

Client:

Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

DECOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
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PLOT DATE:
December 11, 2015

Drawn By:
DJJ

Checked By:
CLB

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DEC 22 2015
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PERMIT CENTER

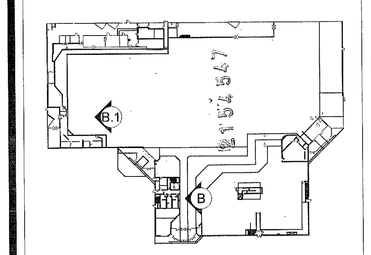
Scale:
1/8"=1'-0"

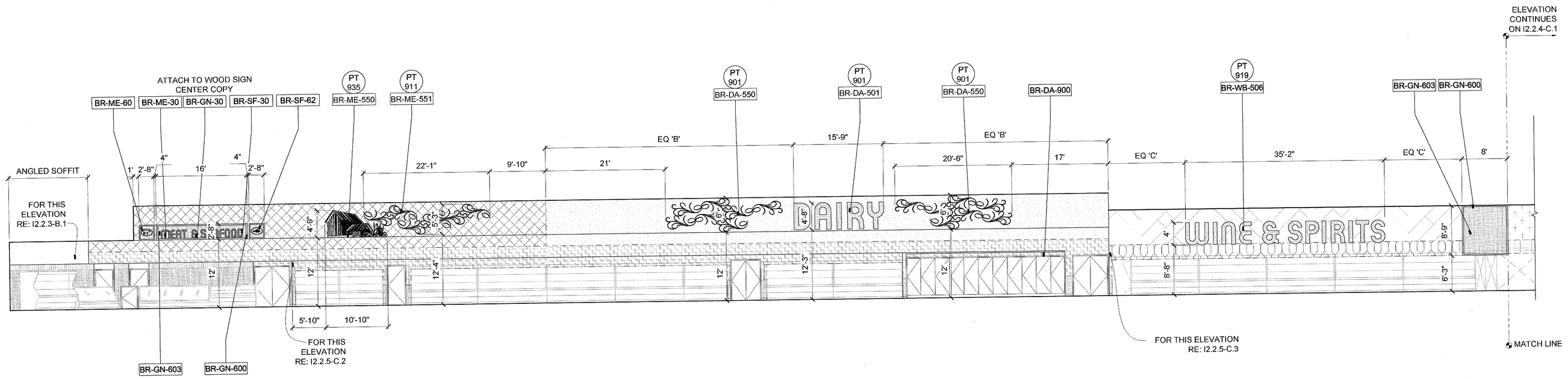
Project #:
8AE9Y

Project Date:
09.15

Sheet #:
I2.2.3

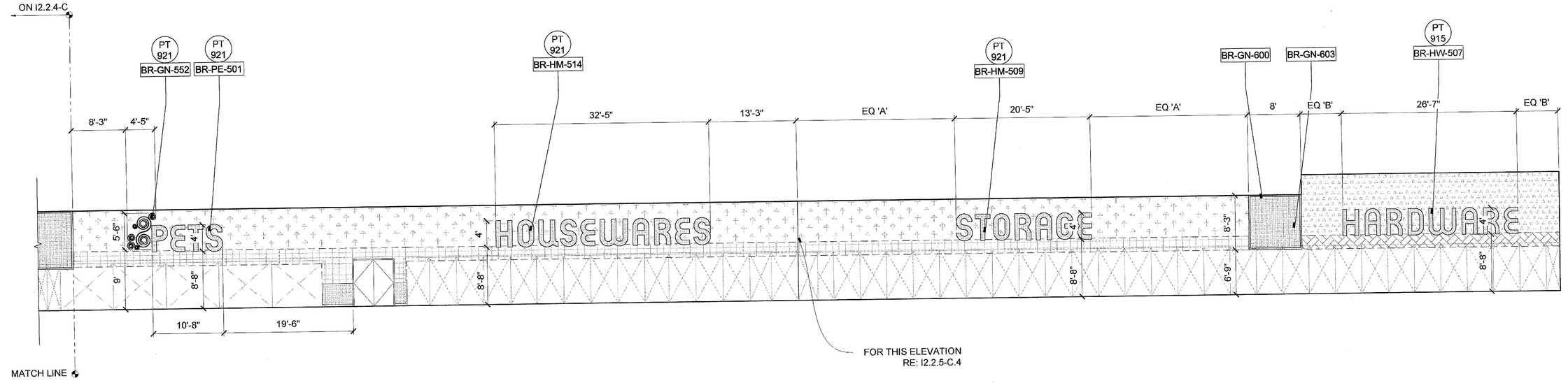
KEY PLAN





C REAR WALL ELEVATION CONT'D

SCALE: 1/8" = 1'-0"

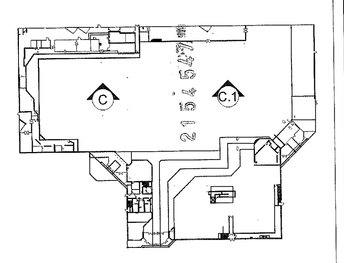


C.1 REAR WALL ELEVATION CONT.

SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS				
CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

KEY PLAN



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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

DECOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
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PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

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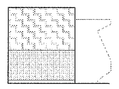
Scale: 1/8"=1'-0"

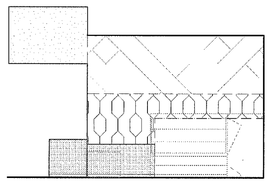
Project #: 8AE9Y

Project Date: 09.15

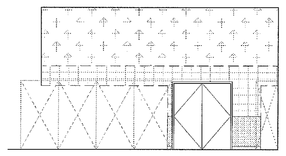
Sheet #: I2.2.4



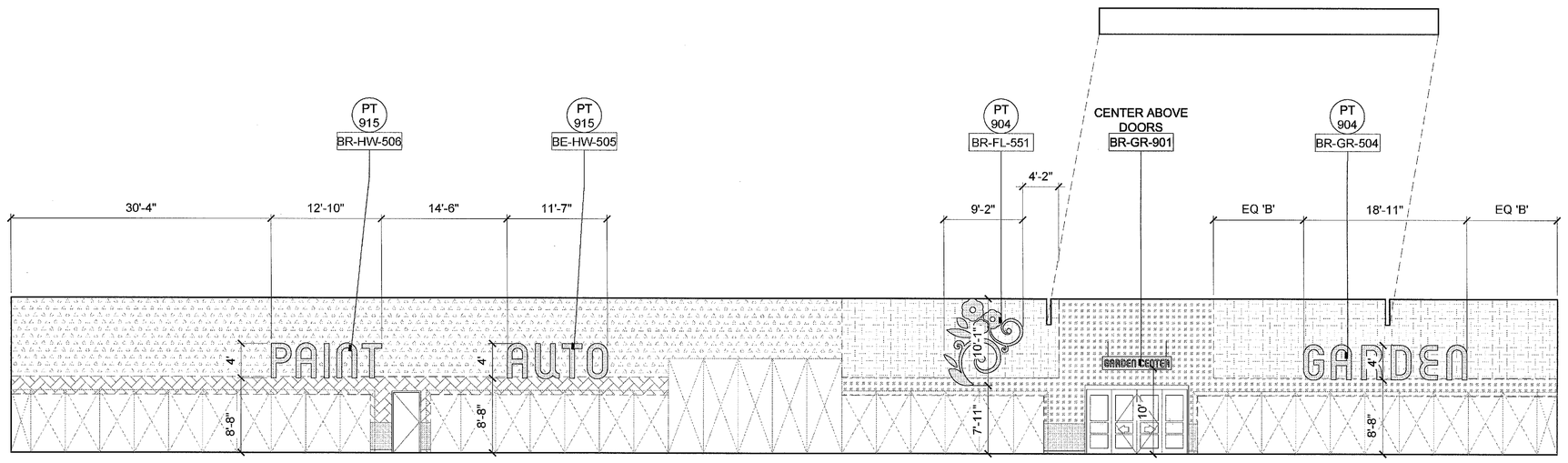
C.2 SFC SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



C.3 LIQUOR SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



C.4 KITCHEN SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



D RIGHT WALL ELEVATION
SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS

CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

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LEGEND

- 100 GENERAL CONTRACTOR NOTE
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- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client:
Kroger

Project Title:
FRED MEYER #172 KENT, WA.

Sheet Title:
DECOR ELEVATIONS

Revisions:

No.	Description	Date
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Project #: 8AE9Y

Project Date: 09.15

Sheet #: I2.2.5

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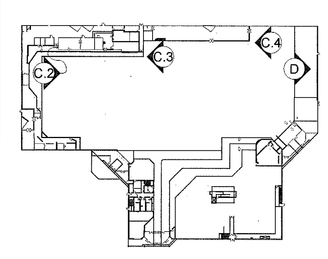
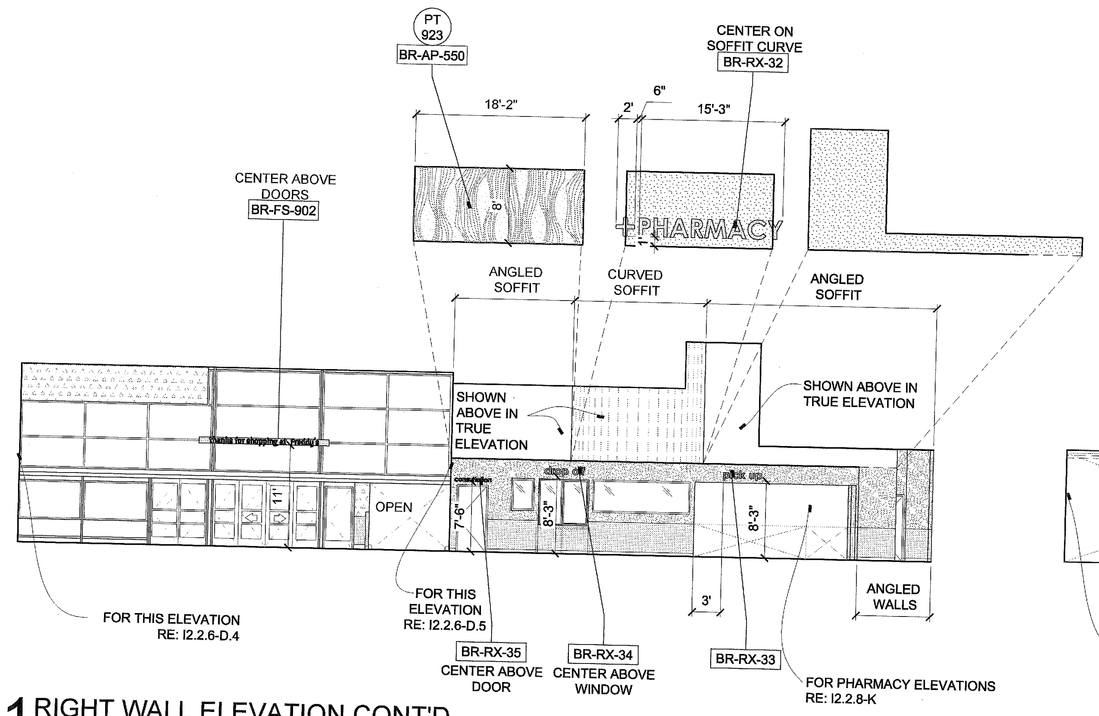
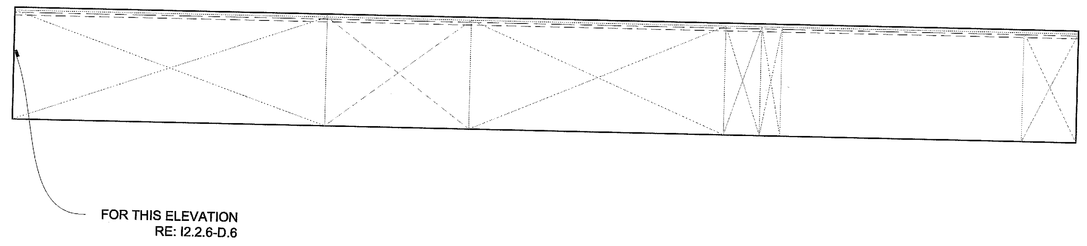
KEY PLAN

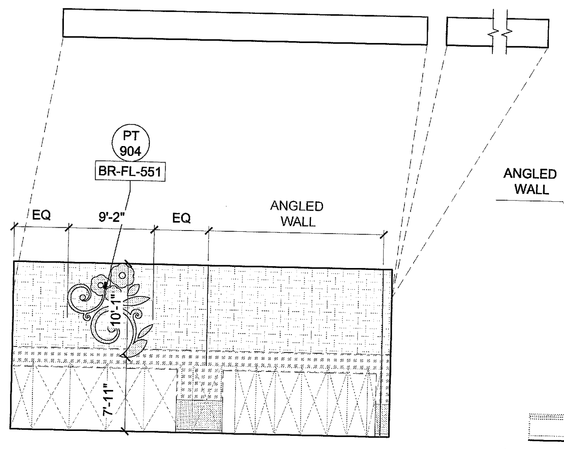




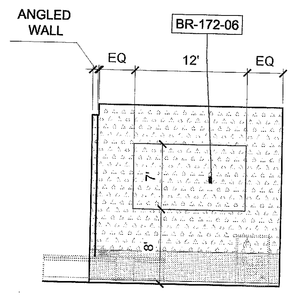
D.1 RIGHT WALL ELEVATION CONT'D
SCALE: 1/8" = 1'-0"



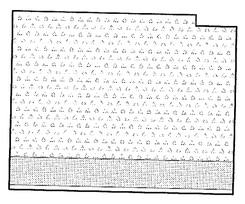
D.2 RIGHT WALL ELEVATION CONT'D
SCALE: 1/8" = 1'-0"



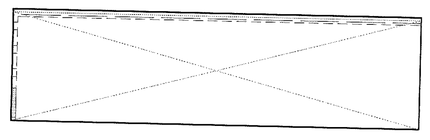
D.3 GARDEN SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



D.4 HOM ENTRY LEFT SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



D.5 HOM ENTRY RIGHT SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"



D.6 CHILDREN SIDE WALL ELEVATION
SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS				
CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:
FRED MEYER #172 KENT, WA.

Sheet Title:
DECOR ELEVATIONS

Revisions:

No.	Description	Date
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PLOT DATE: December 11, 2015

Drawn By: DJJ

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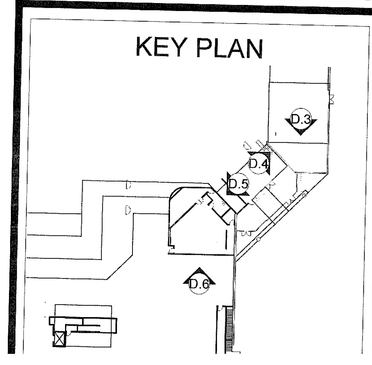
Project #: 8AE9Y

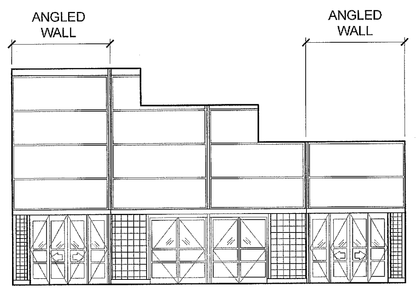
Project Date: 09.15

Sheet #: I2.2.6

KEY PLAN

KEY PLAN





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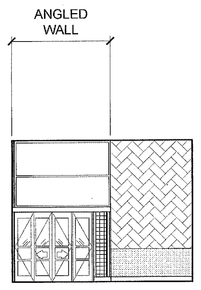

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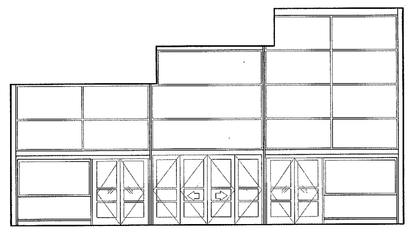
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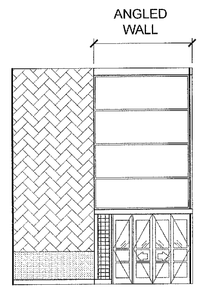
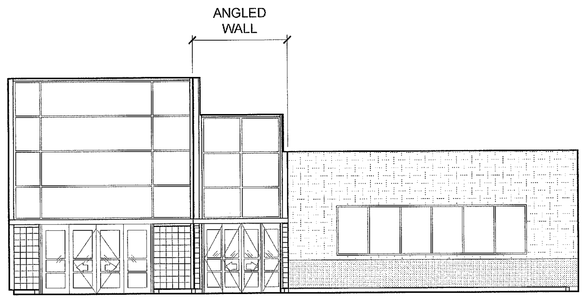
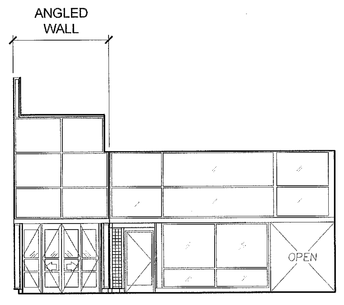


E.4

E SALE ENTRY ELEVATIONS
SCALE: 1/8"=1'-0"



F.1



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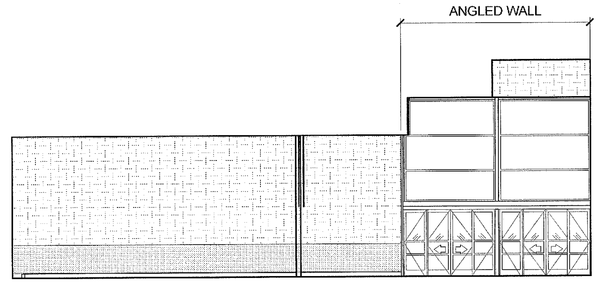

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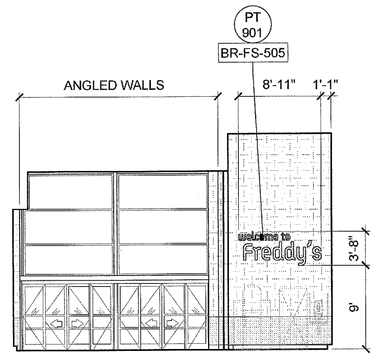
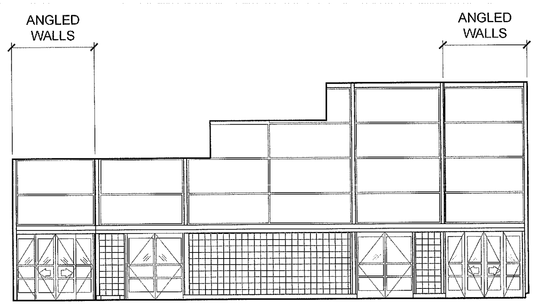
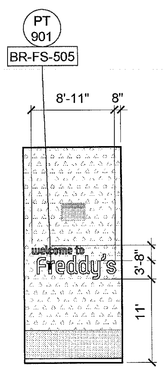


F.4

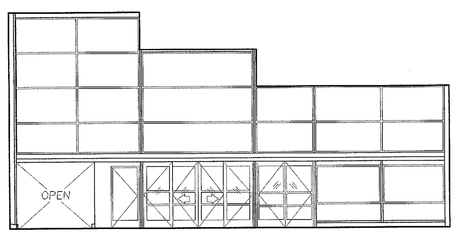
F FOOD ENTRY ELEVATIONS
SCALE: 1/8"=1'-0"



G.1



G.2



G.3

G.4

G HOM ENTRY ELEVATIONS
SCALE: 1/8"=1'-0"

DECOR PAINT COLOR SPECIFICATIONS

CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS

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LEGEND

100 GENERAL CONTRACTOR NOTE

200 PAINTING CONTRACTOR NOTE

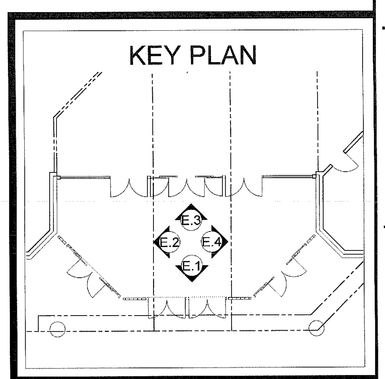
300 ELECTRICAL CONTRACTOR NOTE

XXXXXX KRS DECOR ELEMENT

Client:
Kroger

Project Title:
FRED MEYER #172 KENT, WA.

KEY PLAN



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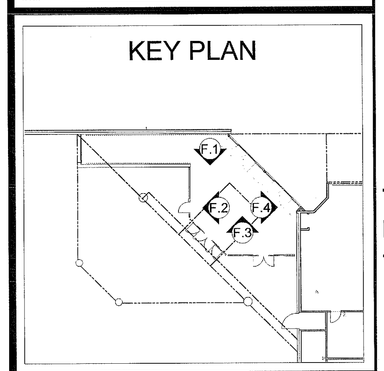

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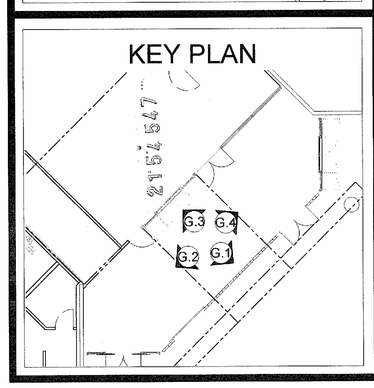


Sheet Title:
DECOR ELEVATIONS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE:
December 11, 2015

Drawn By:
DJJ

Checked By:
CLB

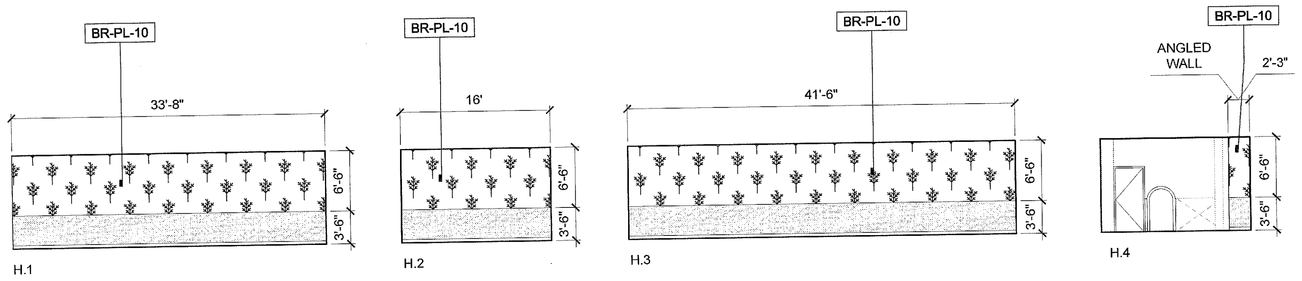
RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

Scale:
1/8"=1'-0"

Project #:
8AE9Y

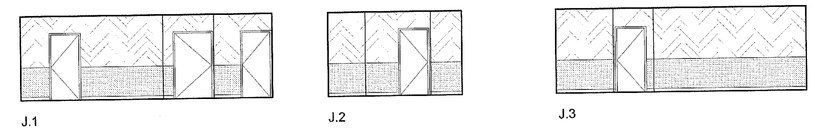
Project Date:
09.15

Sheet #:
12.2.7



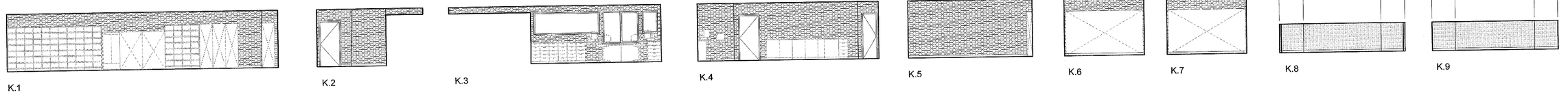
H.1 H.2 H.3 H.4

H PLAYLAND ELEVATIONS
SCALE: 1/8" = 1'-0"



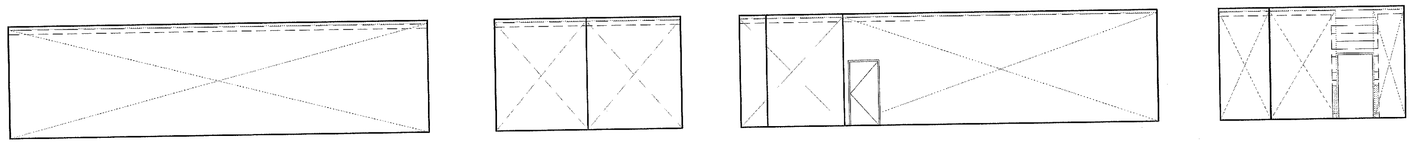
J.1 J.2 J.3

J HALLWAY ELEVATIONS
SCALE: 1/8" = 1'-0"



K.1 K.2 K.3 K.4 K.5 K.6 K.7 K.8 K.9

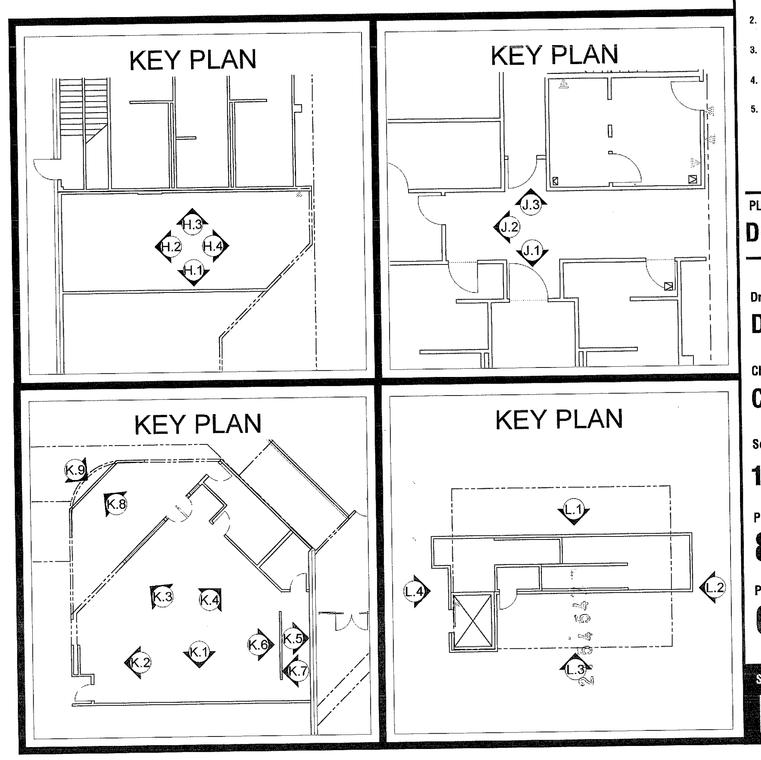
K PHARMACY INTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"



L.1 L.2 L.3 L.4

L ELEVATOR ISLAND ELEVATIONS
SCALE: 1/8" = 1'-0"

DECOR PAINT COLOR SPECIFICATIONS				
CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	ENTRY, DAIRY
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN
PT 908	SHERWIN WILLIAMS	6655	ADVENTURE ORANGE	SEATING AREA
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	DELI
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	SEATING AREA, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	HARDWARE, PAINT
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	WINE & LIQUOR
PT 921	SHERWIN WILLIAMS	6702	LIVELY YELLOW	HOUSEWARES, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY
PT 935	SHERWIN WILLIAMS	6656	SERAPE	MEATS



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LEGEND

- 100 GENERAL CONTRACTOR NOTE
- 200 PAINTING CONTRACTOR NOTE
- 300 ELECTRICAL CONTRACTOR NOTE
- XXXXXX KRS DECOR ELEMENT

Client:
Kroger

Project Title:
FRED MEYER #172 KENT, WA.

Sheet Title:
DECOR ELEVATIONS

Revisions:

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PRE	PRELIM	09.25.15
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Project #:
8AE9Y

Project Date:
09.15

Sheet #:
I2.2.8

201 123

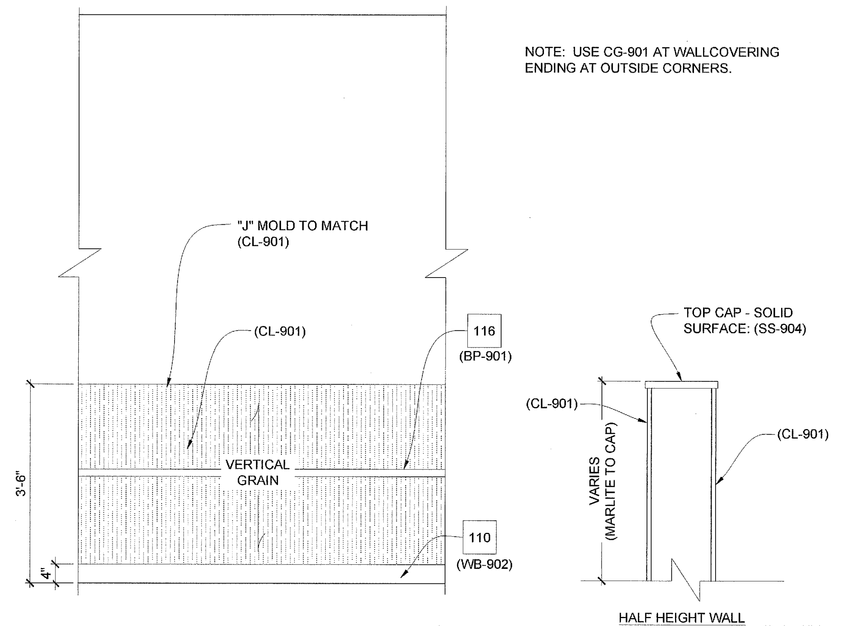
PAINT COLOR SPECIFICATIONS

CODE	MANUF.	NUMBER	NAME	LOCATION
PT 901	SHERWIN WILLIAMS	7004	SNOWBOUND	DAIRY
PT 902	SHERWIN WILLIAMS	7723	COLONY BUFF	CEILINGS, CENTER OF STORE STRUCTURE
PT 903	SHERWIN WILLIAMS	702[illegible] NOT USED	GRIFFIN	(KRS DECOR)
PT 904	SHERWIN WILLIAMS	6712	LUAU GREEN	GARDEN CENTER, DEPT BREAK
PT 905	SHERWIN WILLIAMS	6710	MELANGE GREEN	GARDEN CENTER, FLORAL ENTRY WALL, FOD/HOM ENTRY
PT 906	SHERWIN WILLIAMS	6675	AFTERNOON	SEATING AREA WALL
PT 907	SHERWIN WILLIAMS	6083	SABLE	BAKERY, DELI, SERVICE MEAT & SEAFOOD, DAIRY, PRODUCE, WINE & BEER
PT 908	SHERWIN WILLIAMS	685[illegible] NOT USED	URE ORANGE	BAKERY, MEATS
PT 909	SHERWIN WILLIAMS	6073	PERFECT GREIGE	HALLWAYS, SEATING AREA, SEASONAL, BABY, APPAREL, BEVERAGE WALL, ELEVATOR ISLAND
PT 910	SHERWIN WILLIAMS	7011	NATURAL CHOICE	PHARMACY WAITING ROOM
PT 911	SHERWIN WILLIAMS	6700	DAYBREAK	FRONT OF STORE, FOD ENTRY, ALE ENTRY WALL
PT 912	SHERWIN WILLIAMS	649[illegible] NOT USED	ESHORE	POOL & PATIO
PT 913	SHERWIN WILLIAMS	6495	GREAT FALLS	SERVICE MEAT & SEAFOOD
PT 914	SHERWIN WILLIAMS	6654	SURPRISE AMBER	SERVICE MEAT, SEASONAL, BAKERY, MEATS
PT 915	SHERWIN WILLIAMS	6657	AMBER WAVE	ALE ENTRY, ALE ENTRY WALL, SEASONAL, HARDWARE
PT 916	SHERWIN WILLIAMS	6528	COSMOS	DAIRY, PHARMACY, WELLNESS, HEALTH & BEAUTY
	SHERWIN WILLIAMS	626[illegible] NOT USED	ED VIOLET	
	SHERWIN WILLIAMS	652[illegible] NOT USED	ELANDIC	
PT 917	SHERWIN WILLIAMS	702[illegible] NOT USED	CKDROP	BABY, APPAREL, FITTING ROOMS, ELECTRONICS, HEALTH & BEAUTY
PT 918	SHERWIN WILLIAMS	668[illegible] NOT USED	ERN LIGHT	SPORTS, TOYS
PT 919	SHERWIN WILLIAMS	6334	FLOWER POT	LIQUOR
PT 920	SHERWIN WILLIAMS	6682	JUNE DAY	HOM ENTRY
PT 921	SHERWIN WILLIAMS	670[illegible] NOT USED	Y YELLOW	HOUSEHOLD, PETS
	SHERWIN WILLIAMS	678[illegible] NOT USED	P GREEN	
	SHERWIN WILLIAMS	610[illegible] NOT USED	S OF TIME	
	SHERWIN WILLIAMS	611[illegible] NOT USED	CTIVE CREAM	
PT 922	SHERWIN WILLIAMS	671[illegible] NOT USED	RAKEET	HOUSEHOLD, PETS
PT 923	SHERWIN WILLIAMS	6492	JETSTREAM	PHARMACY, WELLNESS
PT 924	SHERWIN WILLIAMS	648[illegible] NOT USED	N DROP	SEATING AREA
	SHERWIN WILLIAMS	691[illegible] NOT USED	ROUS GREEN	
PT 925	SHERWIN WILLIAMS	671[illegible] NOT USED	ERDANT	(KRS DECOR)
PT 926	SHERWIN WILLIAMS	690[illegible] NOT USED	RSYTHIA	SPORTS, TOYS, SCHOOL
PT 927	SHERWIN WILLIAMS	690[illegible] NOT USED	LDFINCH	HARDWARE
PT 928	SHERWIN WILLIAMS	6643	YAM	MEATS
PT 929	SHERWIN WILLIAMS	6621	EMOTIONAL	LIQUOR
PT 930	SHERWIN WILLIAMS	690[illegible] NOT USED	ER BLUE	(KRS DECOR)
PT 931	SHERWIN WILLIAMS	690[illegible] NOT USED	AVIAR	(KRS DECOR)
PT 932	SHERWIN WILLIAMS	6674	JONQUIL	FRONT OF STORE, DELI, HALLWAY
PT 933	SHERWIN WILLIAMS	679[illegible] NOT USED	NATIC SEA	(KRS DECOR)
PT 934	SHERWIN WILLIAMS	687[illegible] NOT USED	TERFIELD	DELI

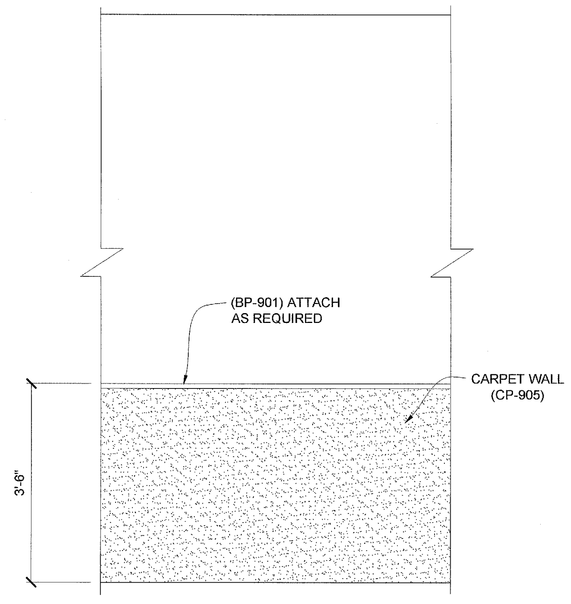
201 123

PAINT COLOR SPECIFICATIONS

CODE	MANUF.	NUMBER	NAME	LOCATION
PT 935	SHERWIN WILLIAMS	665[illegible] NOT USED	ERAPE	MEATS
PT 936	SHERWIN WILLIAMS	659[illegible] NOT USED	HING BLUE	SERVICE MEAT/SEAFOOD
PT 937	SHERWIN WILLIAMS	674[illegible] NOT USED	ING GREEN	FLORAL ENTRY
PT 938	SHERWIN WILLIAMS	674[illegible] NOT USED	RT GREEN	(KRS DECOR)
PT 939	SHERWIN WILLIAMS	669[illegible] NOT USED	D TOMATO	(KRS DECOR)
PT 940	SHERWIN WILLIAMS	661[illegible] NOT USED	EPPERY	SEATING AREA



CD1 TYP. WALL/HALF WALL WAINSCOT DETAIL
SCALE: 3/4"=1'-0"
NOTE: CONTINUE WALL COVERING 6" MIN BEYOND FIXTURES (TYP)



CD2 TYP. WALL CARPET DETAIL AT PLAYROOM
SCALE: 3/4"=1'-0"

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.

102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.

103 NOT USED

104 NOT USED

105 NOT USED

106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.

107 NOT USED

108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

109 NOT USED

110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.

111 NOT USED

112 NOT USED

113 NOT USED

114 NOT USED

115 NOT USED

116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR

117 NOT USED

GENERAL NOTES CONTINUED:

118 NOT USED

119 NOT USED

120 NOT USED

122 NOT USED

123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.

124 NOT USED

128 NOT USED

129 NOT USED

130 NOT USED

PAINTER NOTES:

201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)

202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.

203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.

204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.

205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

ELECTRICAL NOTES:

301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.

302 NOT USED

DRAWING INDEX

I1.3.1	REFLECTED CEILING PLAN
I1.3.2 & I1.3.3	DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8	CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8	DECOR ELEVATIONS
I5.0.1 & I5.0.2	CONTRACTOR DETAILS

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100 GENERAL CONTRACTOR NOTE

200 PAINTING CONTRACTOR NOTE

300 ELECTRICAL CONTRACTOR NOTE

XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR DETAILS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
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1.		
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5.		

PLOT DATE: December 11, 2015

Drawn By: DJJ

Checked By: CLB

RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

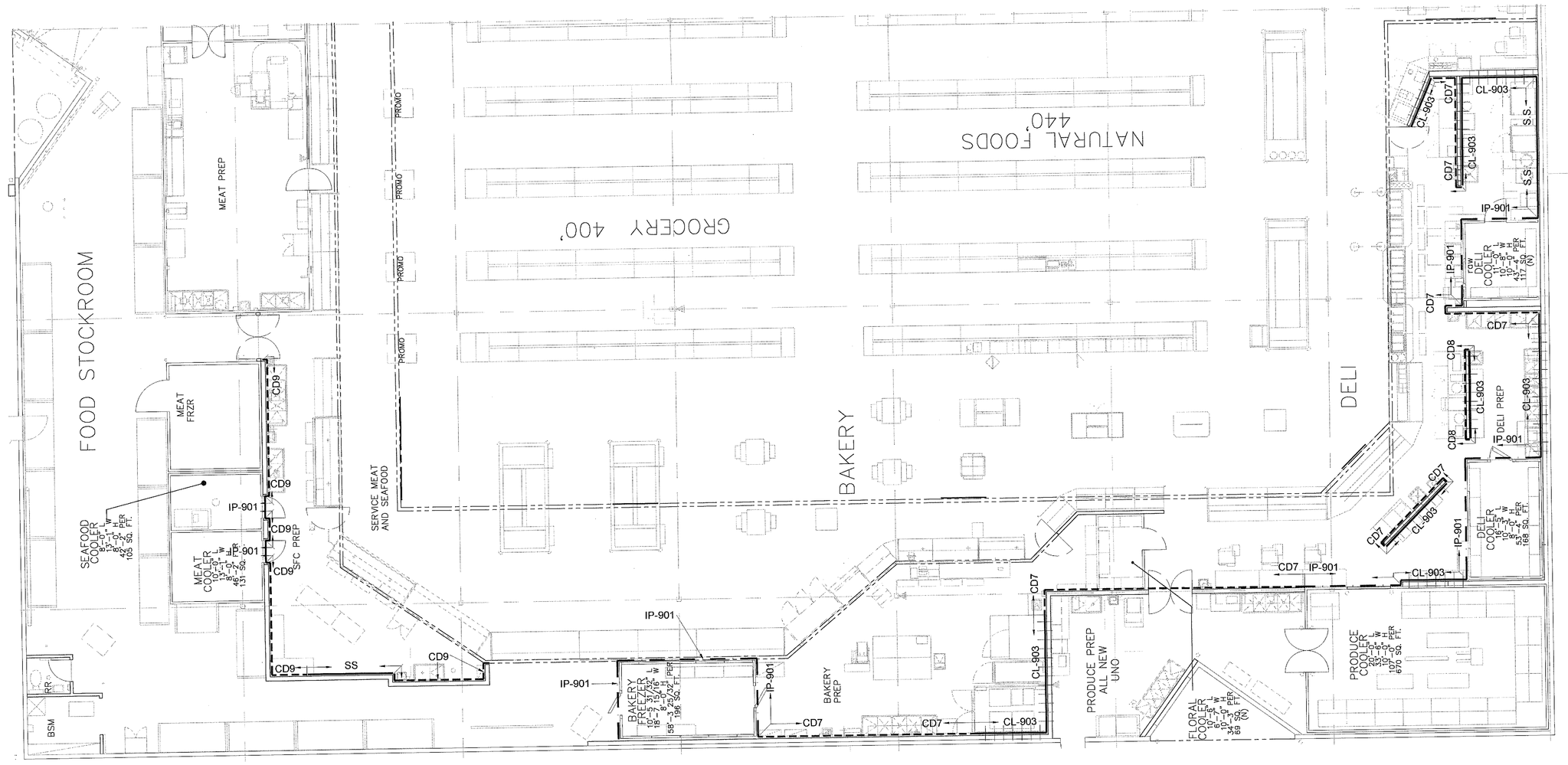
Scale: AS SHOWN

Project #: 8AE9Y

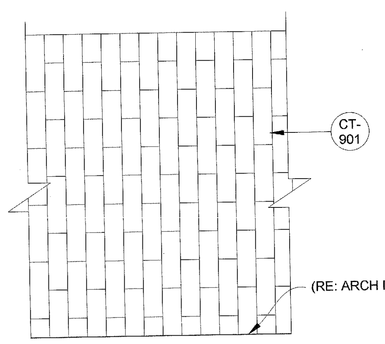
Project Date: 09.15

Sheet #: I5.0.1

2015 1ST FLOOR

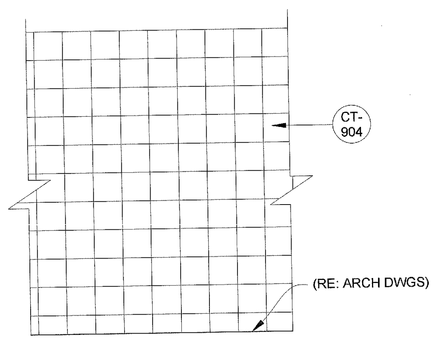


CD12 SERVICE WALL FINISH LAYOUT
SCALE: 1/8"=1'-0"



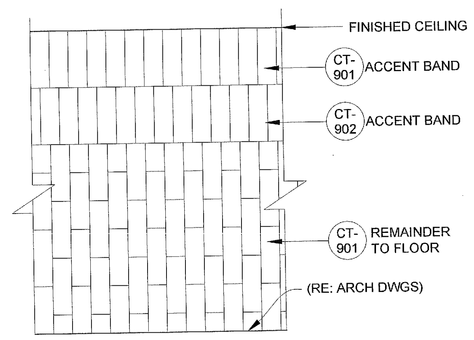
102 CD7 TILE DETAIL AT SERVICE AREAS & PREP ISLANDS
SCALE: 3/4"=1'-0"

RE: KROGER SPECIFICATIONS FOR EDGE PROTECTION & GROUT SPECIFICATIONS



102 CD8 TILE DETAIL AT ACCENT WALL
SCALE: 3/4"=1'-0"

RE: KROGER SPECIFICATIONS FOR EDGE PROTECTION & GROUT SPECIFICATIONS



102 CD9 TILE DETAIL AT MEAT/SEAFOOD SERVICE AREA
SCALE: 3/4"=1'-0"

RE: KROGER SPECIFICATIONS FOR EDGE PROTECTION & GROUT SPECIFICATIONS

SYMBOL	DESCRIPTION
- - - - - - - -	CERAMIC TILE RE: CD7, CD8, & CD9
++++++++++	FRP: CL-903
————	S.S. = STAINLESS STEEL
— — · — — · — —	EXPOSED COOLER/INSULATED PANELS: IP-901

NOTE: FOR TILE EDGES AND OUTSIDE WALL CORNERS: EP-901
NOTE: WRAP TILE AROUND OPENINGS IN PREP AREAS.

GENERAL CONTRACTOR NOTES:

GENERAL NOTES:

101 PROVIDE AND INSTALL PROTECTIVE WALL COVERING AS SHOWN AND SPECIFIED ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS, SHEET I5.0.1. INSTALL ALL TRIMS AS NECESSARY.

102 PROVIDE AND INSTALL CERAMIC TILE AS SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES), AND CONTRACTOR DETAIL SHEET I5.0.2. SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.

103 NOT USED

104 NOT USED

105 NOT USED

106 ARCHITECT TO DETERMINE & COMMUNICATE STRUCTURAL SUPPORT REQUIREMENTS, WHICH SHOULD BE THE MINIMUM SIZE REQUIRED TO MINIMIZE VISIBILITY OF THE SUPPORT ELEMENT CUTTING THROUGH THE SKYLIGHT OR CASTING A SHADOW LINE. WHERE VERTICAL SUPPORT DOES NOT ALIGN WITH A BEAM, JOIST OR GIRDER PROVIDE UNISTRUT IN DECK FLUTES FOR SUPPORT. DECOR INSTALLER TO PROVIDE / INSTALL UNISTRUT BASED ON STRUCTURAL ENGINEER PROVIDED DIRECTION ON STRUCTURAL SUPPORT REQUIREMENTS.

107 NOT USED

108 NO FINISH REQUIRED UNDERNEATH DECOR. CONTRACTOR TO PROVIDE A SMOOTH PRIMED SURFACE WHERE SHOWN ON CONTRACTORS ELEVATIONS (I2.1 SERIES).

GENERAL NOTES CONTINUED:

109 NOT USED

110 PROVIDE AND INSTALL WALL BASE AS SHOWN ON CONTRACTORS ELEVATIONS, (I2.1 SERIES) AND CONTRACTOR DETAILS ON, SHEET I5.0.1. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR.

111 NOT USED

112 NOT USED

113 NOT USED

114 NOT USED

115 NOT USED

116 PROVIDE & INSTALL BUMPER AS NEEDED TO PROTECT MARLITE FROM BASKARTS. INSTALL BUMPER @ 25" AFF IN CORRIDORS FOR FRED MEYER, ALL OTHER DIVISIONS SEE INTERIOR FINISH SCHEDULE. SEE SPECIFICATION SECTION 01 61 13-09 FOR COLOR

117 NOT USED

GENERAL NOTES CONTINUED:

118 NOT USED

119 NOT USED

120 NOT USED

122 NOT USED

123 FOR ALL CONTRACTOR PAINT COLORS RE: I5.0.1 PAINT SPECIFICATIONS SCHEDULE.

124 NOT USED

128 NOT USED

129 NOT USED

130 NOT USED

PAINTER NOTES:

201 WALL BACKGROUNDS PAINTED AS INDICATED. TRANSITION LINES WHERE APPLICABLE AS EXACT AS POSSIBLE, EXCEPT WHERE REGULATED BY LOCAL HEALTH DEPARTMENT OR OTHERWISE NOTED. (WALL BACKGROUND = EGGSHELL FINISH) (STENCILS & TRANSPARENCIES = FLAT FINISH)

202 PAINT WALLS FROM BOTTOM OF TRUSSES TO CEILING DECK PT-902 UNLESS OTHERWISE NOTED.

203 PAINT CEILING, BRACING & HVAC DUCTING THAT ARE ABOVE THE LIGHT LINE PT-902 UNLESS OTHERWISE NOTED.

204 PAINT ALL MECHANICAL DUCTS THAT ARE ENTIRELY BELOW THE MAIN SALES AREA LIGHTING AND WITHIN 20' OF A WALL PT-909. IF MECHANICAL DUCT THAT IS WITHIN 20' OF WALL RUNS VERTICAL TO BE BOTH ABOVE AND BELOW THE MAIN SALES LIGHTING THEN PAINT COLOR WILL TRANSITION 2' ABOVE LIGHTS. ABOVE TRANSITION LINE PAINT PT-902 BELOW TRANSITION LINE PAINT PT-909. PAINT ALL MECHANICAL DUCTS THAT ARE MORE THEN 20' FROM WALL PT-902.

205 PAINT THE BOTTOM AND BACK SIDE OF ALL SOFFITS THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN SHEET I1.3.1.

ELECTRICAL NOTES:

301 PROVIDE AND INSTALL ALL LIGHTING. REFER TO ELECTRICAL DRAWING SET.

302 NOT USED

DRAWING INDEX

I1.3.1 REFLECTED CEILING PLAN
I1.3.2 & I1.3.3 DECOR PLAN, DECOR INSTALL DETAILS
I2.1.1 ~ I2.1.8 CONTRACTOR ELEVATIONS
I2.2.1 ~ I2.2.8 DECOR ELEVATIONS
I5.0.1 & I5.0.2 CONTRACTOR DETAILS

KING RETAIL SOLUTIONS
KRS
3850 WEST 1ST AVENUE EUGENE, OREGON 97402
O 541.686.2848 F 541.485.4047 W KINGKS.COM

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LEGEND

100 GENERAL CONTRACTOR NOTE

200 PAINTING CONTRACTOR NOTE

300 ELECTRICAL CONTRACTOR NOTE

XXXXXX KRS DECOR ELEMENT

Client: Kroger

Project Title:

FRED MEYER #172 KENT, WA.

Sheet Title:

CONTRACTOR DETAILS

Revisions:

No.	Description	Date
PRE	PRELIM	09.25.15
FA	ISSUED FOR COORDINATION	12.11.15
1.		
2.		
3.		
4.		
5.		

PLOT DATE: **December 11, 2015**

Drawn By: **DJJ**

Checked By: **CLB**

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

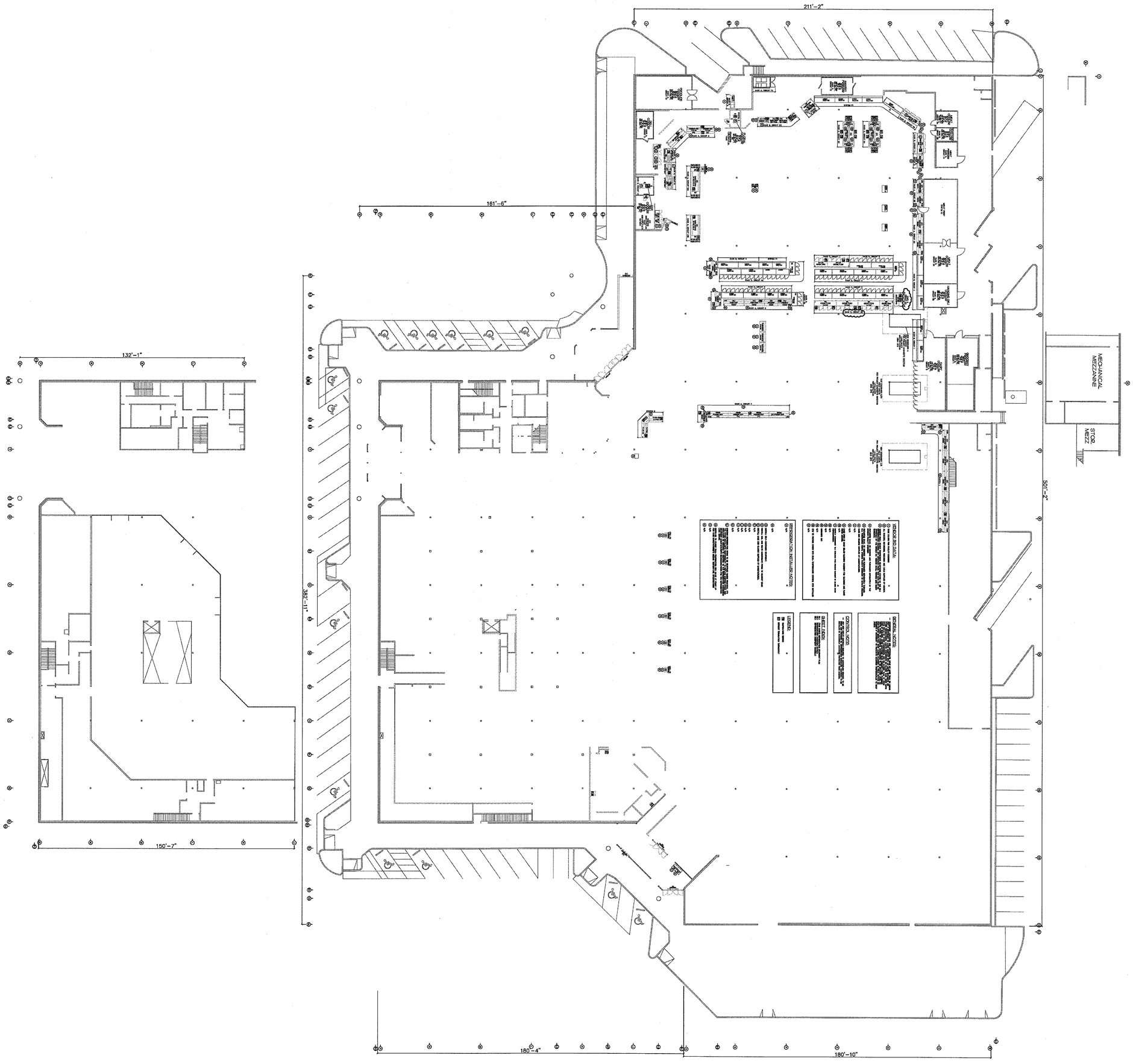
Scale: **AS SHOWN**

Project #: **8AE9Y**

Project Date: **09.15**

Sheet #: **I5.0.2**

21-647-2015



FINAL PLAN

21'54'54?"

WITHIN THE WALLS

FM-172

10201 SE 240TH
KENT,WA

CURRENT PLAN DATE: 12/1/2015
CHECK SET DATE: 6/11/2015
DRAWN: VICTOR HAYES
CHECKED: MATT VANZANT

REVISIONS		
1	10/9/15	SJ
2	11/20/15	SJ
3	12/7/15	SJ

RECEIVED
DEC 23 2015
City of Kent
Community Development

STARK PROJECT NUMBER: 1123

BUILDING STATS:

TOTAL SHELVING	7,204 LF
SALES AREA (N.S.F. GROSS BASIS)	131,363 SF
BASE STORE	145,150 SF
MEZZANINE	27,221 SF
DOCK / UTILITY	0 SF

GROSS BUILDING
172,370 SF

REFRIGERATION EQUIPMENT PLAN

STEEL PACKAGE BY
Not Applicable

FM-172

SHEET:
R1.1

CAD FILE: FM172R1.DWG

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Fred Meyer
DIVISION
3800 S.E. 22ND AVENUE
PORTLAND , OR
PHONE: (503) 797-3507 FAX: (503) 797-3539

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED UNLESS NOTED OTHERWISE. THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLANS DATED AND KROGER PLANS DATED . ALL WORK MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
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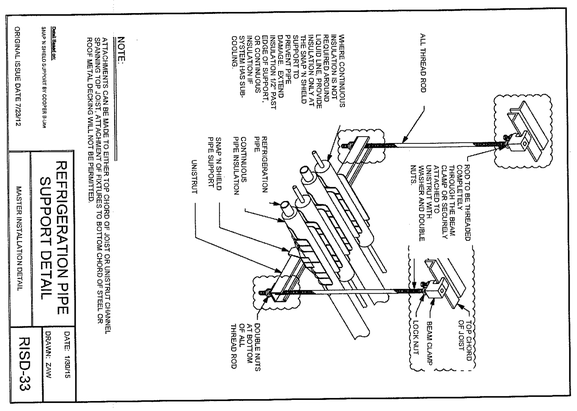


NOTE:
ATTACHMENT CAN BE MADE TO EITHER TOP CHORD OF JOIST OR UNISTRUT CHANNEL SPANNING TOP JOIST. ATTACHMENT OF FIXTURES TO BOTTOM CHORD OF STEEL OR ROOF METAL DECKING WILL NOT BE PERMITTED

Dead Steel Co.
SNAP 'N SHIELD SUPPORT BY COOPER B-Line

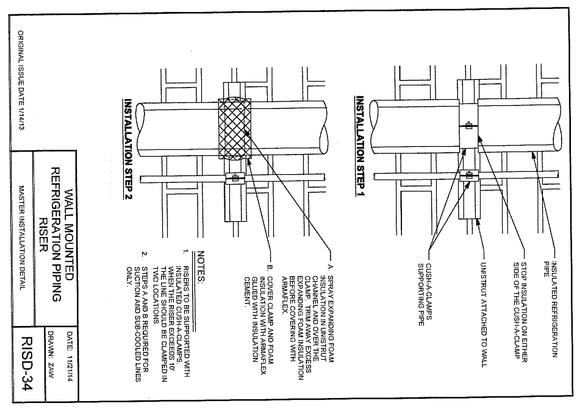
ORIGINAL ISSUE DATE 7/23/12

REFRIGERATION PIPE SUPPORT DETAIL

DATE: 10/30/15
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-33



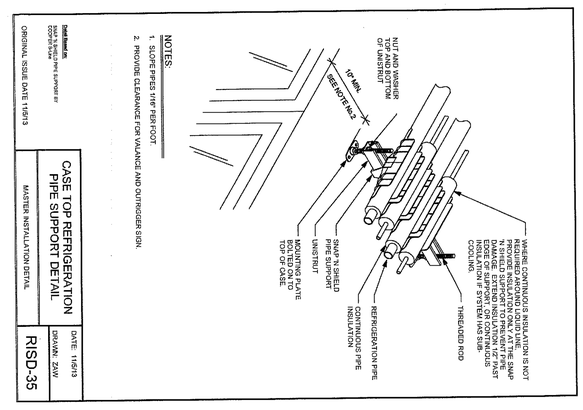
WALL MOUNTED REFRIGERATION PIPING RISER

DATE: 11/27/14
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-34

ORIGINAL ISSUE DATE 11/4/13



NOTES:
1. SLOPE PIPES 1/16" PER FOOT
2. PROVIDE CLEARANCE FOR VALANCE AND OUTRIGGER SIGN.

Dead Steel Co.
SNAP 'N SHIELD PIPE SUPPORT BY COOPER B-Line

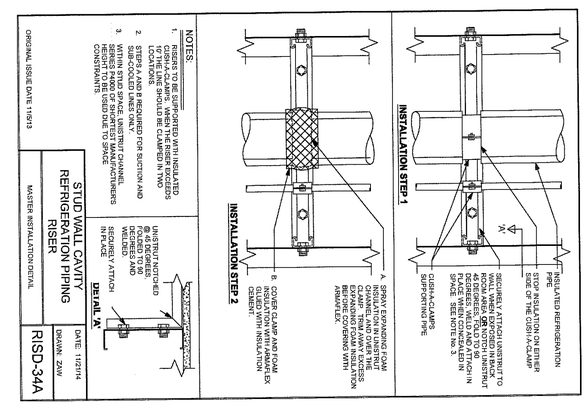
ORIGINAL ISSUE DATE 11/5/13

CASE TOP REFRIGERATION PIPE SUPPORT DETAIL

DATE: 11/5/13
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-35



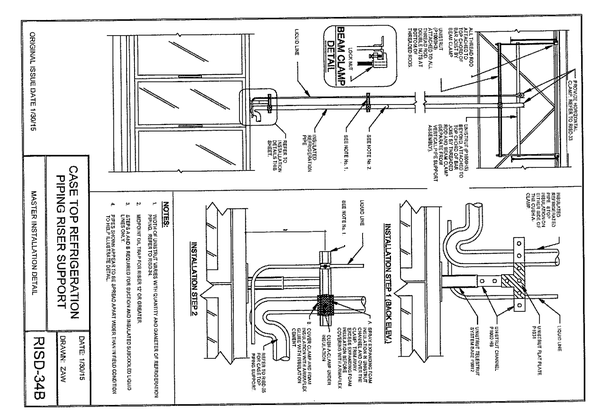
STUD WALL CAVITY REFRIGERATION PIPING RISER

DATE: 1/22/14
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-34A

ORIGINAL ISSUE DATE 11/5/13



NOTES:
1. SLOPE PIPES 1/16" PER FOOT
2. PROVIDE CLEARANCE FOR VALANCE AND OUTRIGGER SIGN.

Dead Steel Co.
SNAP 'N SHIELD PIPE SUPPORT BY COOPER B-Line

ORIGINAL ISSUE DATE 11/5/13

CASE TOP REFRIGERATION PIPE SUPPORT DETAIL

DATE: 11/5/13
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-35

STUD WALL CAVITY REFRIGERATION PIPING RISER

DATE: 1/22/14
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-34A

ORIGINAL ISSUE DATE 11/5/13

CASE TOP REFRIGERATION PIPING RISER SUPPORT

DATE: 1/30/15
DRAWN: ZJW

MASTER INSTALLATION DETAIL

RISD-34B

ORIGINAL ISSUE DATE: 1/30/15

ELECTRIC DEFROST WIRING

DATE: 9/11/09
DRAWN: SBP

MASTER INSTALLATION DETAIL

RISD-13

ORIGINAL ISSUE DATE 9/11/09

WITHIN THE WALLS

FM-172

10201 SE 240TH
KENT,WA

CURRENT PLAN DATE:
8/11/2015
ORIGINAL PLAN DATE:
8/11/2015
DESIGNED: MATT VANZANT
DRAWN: VICTOR HAYES
REVISIONS:

#	DESCRIPTION	DATE
1	PER CLIENT COMMENTS	10/30/15
2	PER CLIENT COMMENTS	11/5/15

STANDARD / NOTED EXCEPTIONS

BUILDING STATS:	
TOTAL SHELLING	7,204 LF
SALES FLOOR	134,363 SF
B & M GROSS BUILDING	24 ft
BASE STORE	145,150 SF
MEZZANINE	21,221 SF
DOCK / UTILITY	0 SF
GROSS BUILDING	172,370 SF

REFRIGERATION STANDARD DETAILS
STEEL TRUSS ROOF
Not Applicable

SHEET
R5.1

CAD FILE: FM172CSLIDING

Kroger
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PLOTTED BY: Aug 11, 2015 - 10:13pm BY: victorh

Store No.: FM-172 **DESIGN AMBIENT:** 90
KMA: FRED MEYER **VOLTAGE:** 460

BY: Victor Hayes — DATE 8/11/15 — F1 DATE 6/26/15
REVISED BY: S Jovet 10/19/15 9/4/15
REVISED BY: S Jovet 11/5/15 10/28/15
REV. 3: J GLOVER 12/1/15 10/29/15

RACK	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST #/DAY	DEFROST TYPE	REFRIG	TOTAL LOAD	PARALLEL RACK INFORMATION COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
A	1				SPARE	EXISTING SPARE CIRCUIT									HP80		EXISTING PARALLEL RACK					
	2A	2	QTY		O5DMM-12	12' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	DELI.	NEW		28	33.0	6		OT/TEMP			Reclaim: Water					
	2B	2	QTY		O5DMM-8	8' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	DELI.	NEW		28	22.0	6		OT/TEMP			Controller: CPC Einstein II RX-400 Serving Racks A, B, E1 & F1					
	3	1	**QTY**		**ON5DM-8**	**8' NARROW MULTIDECK W/ SYNERG-E COIL - 84" HIGH**	**NUTR.**	**NEW**		**28**	**9.6**	6		**OT/TEMP**			Control Voltage: 208V					
	4	4	QTY		O5DMM-12	12' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	PROD.	NEW		28	66.0	6		OT/TEMP			Control Valve Voltage: 208V					
		1	QTY		O5DMM-6	6' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	PROD.	NEW		28	8.3	6		OT/TEMP			Compressor Voltage: 460V					
	5	2	QTY		O5DMM-12	12' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	PROD.	NEW		28	33.0	6		OT/TEMP								
		3	**QTY**		**O5DMM-8**	**8' MULTIDECK W/ SYNERG-E COIL - 84" HIGH**	**PROD.**	**NEW**		**28**	**33.0**	6		**OT/TEMP**								
	6A	10	13'-1"	8	EXIST COIL(S)	COOLER	MEAT	EX.		26	9.5						Note: Capacities stated using R404a data					
	6B	14	20'-2"	9	EXIST COIL(S)	COOLER	DELI.	EX.		26	18.3						06DR246	5	23	61.6	81.6	
	7A	1	QTY		RR201M118	2 DOOR RETARDER	BAK.	EX.		25	20.0						06DR228	7.5	23	113.6	150.7	
	7B				ABANDON	ABANDON EXISTING CIRCUIT											06DR337	10	23	150.4	199.6	
	8	676	SQ FT	8	EXIST COIL(S)	COOLER W/ (11) DOORS	DAIRY	EX.		26	45.3						06EM150	15	23	179.1	241.2	
	9	1	QTY		PTD-12R-SD-DRS	12' SERVICE/SELF SERVICE, SUPERDOME	DELI.	NEW		26	11.9	4		OT/TEMP								
		2	QTY		PTD-8R-SD-DRS	8' SERVICE/SELF SERVICE, SUPERDOME	DELI.	NEW		26	15.8	4		OT/TEMP								
	10	20	33'-6"	10	EXIST COIL(S)	COOLER	PROD.	EX.		26	37.4					442.5				504.7	673.1	87.7%
	11	16'-5"	10'-3"	8	EXIST COIL(S)	COOLER	DELI.	EX.		26	11.8											
	12A	1	QTY		IM-05-C12-R(DELI)	12' UNITIZED MULTI-DECK ISLAND	DELI.	NEW		26	25.8	6		OT/TIME			NEW 460V Air Cooled Condenser					
		2	QTY		IM-05-E5(DELI)	MULTI-DECK SELF SERVICE END	DELI.	NEW		26	10.8	6		OT/TIME			HUSSMANN LAVA-24410, 54.64 mbh/deg td capacity, 68 circuits, 12.3 TD					
	12B	1	QTY		IM-05-C12-R(DELI)	8' UNITIZED MULTI-DECK ISLAND	DELI.	NEW		26	25.8	6		OT/TIME			Refrigerant Charge (Lb's): 57.2					
		1	QTY		IM-05-E5(DELI)	MULTI-DECK SELF SERVICE END	DELI.	NEW		26	5.4	6		OT/TIME								
	12C				ABANDON	ABANDON EXISTING CIRCUIT											NEMA 1 VSD Package:					
																	Drive - CONTROL TECHNIQUES SKD3400750-165-1 (K-0009093)					
																	Output Filter - 035-0017-N1 (K-0008992)					
																	Line Reactor (if required) - LRM0018-E (K-0009007)					
																	Prefabricated Pipe Box - (AES Industries 42492)					
																	Condenser Equipment Support - Quantity (2) - (AES Industries 42449)					
B	1	24	FT		D6L3	MULTI-DECK	DAIRY	EX.		20	32.2	4		OT/TEMP	HP80		EXISTING PARALLEL RACK					
	2A	24	20'-2"	9	EXIST COIL(S)	COOLER	MEAT	EX.		20	26.5						Reclaim: Water					
	2B	8	13'-1"	8	EXIST COIL(S)	COOLER	SEAF.	EX.		20	8.5						Controller: See Rack A					
	3	32	FT		M4A3	MULTI-DECK	MEAT	EX.		15	44.8	4		OT/TEMP			Control Voltage: 208V					
	4	24	FT		D6L3	MULTI-DECK	BEV.	EX.		20	32.2	4		OT/TEMP			Control Valve Voltage: 208V					
	5	1	**QTY**		**O3.5UM(SEAF)-8**	**8' LOW PROFILE MULTIDECK W/ SYNERG-E COIL - 54" HIGH**	**SEAF.**	**NEW**		**26**	**7.6**	6		**OT/TEMP**			Compressor Voltage: 460V					
	6A	1	QTY		PT-8R-RRS-56-SU	8' SELF SERVICE W/R.R. STOR. (SUSHI)	SUSHI	NEW		20	9.2	4		OT/TIME			Modify existing parallel rack electric as required to accomplish remodel					
	6C	2	QTY		BLF-59SR	SELF SERVICE	BAK.	NEW		20	11.3	4		OT/TIME								
		1	QTY		BLF-77SR	SELF SERVICE	BAK.	NEW		20	7.4	4		OT/TIME								
		1	QTY		BLF-77R	SERVICE	BAK.	NEW		20	3.9	4		OT/TIME								
	7A	12	FT		SMG	SERVICE EURO	SEAF.	NEW		18	5.0	2		OT/TIME								
	7B	12	FT		SMG	SERVICE EURO	MEAT	NEW		18	5.0	2		OT/TIME								
	8				SUBCOOL	SUBCOOLING LOAD RACKS C/D	MISC.	EX.			74.7						Note: Capacities stated using R404a data					
NEW	9	1	QTY		CFS-8 (PAN ASIAN)	MADE TO ORDER SERVICE	DELI.	NEW		25	1.0	8		OT/TIME			06DR724	6.5	13	74.3	102.7	
		1	QTY		CFS-8 (SANDWICH-OVER	MADE TO ORDER SERVICE	DELI.	NEW		25	3.1	8		OT/TEMP			06DR337	10	13	120.1	166.0	
		1	QTY		CFS-8 (SANDWICH-UNDER	MADE TO ORDER SERVICE	DELI.	NEW		25	1.2	8		OT/TEMP			06EM150	15	13	138.9	194.4	
NEW	**10**	**11**	**10'-8"**	**10**	**ECM130S**	**RAW COOLER**	**DELI**	**NEW**	**K-0047226**	**20**	**10.0**			**EL/TEMP**								
																283.5				333.4	463.0	85.1%
E1		726	SQ FT		EXIST COIL(S)	PREP	MEAT	EX.		35	36.3				HP80	36.3	06DM313	5	33	59.3	75.3	61.2%
																	NEW Air Cooled Condenser:					
																	HUSSMANN LAVA-24310, 47.99 mbh/deg td capacity, 68 circuits					
																	Refrigerant Charge (Lb's): 42.9					
																	NEMA 1 VSD Package:					
																	Drive - CONTROL TECHNIQUES SKD3400750-165-1 (K-0009093)					
																	Output Filter - 035-0017-N1 (K-0008992)					
																	Line Reactor (if required) - LRM0018-E (K-0009007)					
																	System THR TD Circuits					
																	RACK B 463.017 11.3 58					
																	SINGLE E1 75.335 10.7 10					
																	Prefabricated Pipe Box - (AES Industries 42492)					
																	Condenser Equipment Support - Quantity (2) - (AES Industries 42449)					
C	1A	15	13'-1"	8	EXIST COIL(S)	FREEZER	MEAT	EX.		-22	15.5				HP80		EXISTING PARALLEL RACK					
	1B	10'-6"	18'-8"	8	EXIST COIL(S)	FREEZER	BAK.	EX.		-22	15.8						Reclaim: None					
	1C				ABANDON	ABANDON EXISTING CIRCUIT											Controller: CPC Einstein II RX-400 Serving Racks C & D					
	2A	1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	3.2	1		EL/TEMP			Control Voltage: 208V					
	2B	3	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	14.3	1		EL/TEMP			Control Valve Voltage: 208V					
		1	QTY		RLN(LT-E-LED2)-3	3 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	2.9	1		EL/TEMP			Compressor Voltage: 460V					
	3	16	DRS		IV5V3	G.D.(ICE CREAM)	GROC.	EX.		-23	30.6	1		EL/TEMP			Modify existing parallel rack electric as required to accomplish remodel					
	4	21	DRS		IV5V3	G.D.(ICE CREAM)	GROC.	EX.		-23	35.7	1		EL/TEMP								
NEW	*5A	1	QTY		FW(DT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	2.0	1		EL/TEMP			Note: Capacities stated using R404a data					
	*	1	QTY		FW(DT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	2.0	1		EL/TEMP			06DR337	10	-26	45.6	73.2	
	*	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	1		EL/TEMP			06DR724	6.5	-26	25.9	42.0	
	*	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	1		EL/TEMP			06DR337	10	-26	45.6	73.2	
	*5B	1	QTY		FW(DT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	2.0	1		EL/TEMP			Subcooling Credit for 50 deg. liquid			37.4		
	*	1	QTY		FW(DT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	2.0	1		EL/TEMP								
	*	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	1		EL/TEMP								
	*	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	1		EL/TEMP		134.5				154.4	188.5	87.1%
	(*) OEM to provde cases with dual temp control kits installed																					
D	1	742	SQ FT	8	EXIST COIL(S)	FREEZER	GROC.	EX.		-22	45.5				HP80		EXISTING PARALLEL RACK					
	2	1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	BAK.	NEW		-19	3.2	1		EL/TEMP			Reclaim: None					
	3	16	DRS		IV5V3	G.D.(ICE CREAM)	GROC.	EX		-23	27.2	1		EL/TEMP			Controller: See Rack C					
	4A	16	DRS		IV5V3	G.D.(ICE CREAM)	GROC.	EX.		-23	27.2	1		EL/TEMP			Control Voltage: 208V					
	3	DRS		IV5V3	G.D.(ICE CREAM)	GROC.	REL.		-23	5.1	1		EL/TEMP			Control Valve Voltage: 208V					
	4B	3	DRS		IV5V3	G.D.(ICE CREAM)	GROC.	REL.		-23	5.1	1		EL/TEMP			Compressor Voltage: 460V					
	5	10	DRS		IV5V3	G.D.(ICE CREAM)	MEAT	REL.		-23	17.0	1		EL/TEMP			Modify existing parallel rack electric as required to accomplish remodel					
NEW	**6**	**1**	**QTY**		**P1222L-1**	**ICE FLAKER W/ FACTORY INSTALLED EPR AND LIQUID SOLENOID**	**PROD.**	**NEW**		**-3**	**5.0**	0		**NONE**								
NEW	**7**	**1**	**QTY**		**RLN(LT-E-LED2)-5**	**5 DOOR G.D., LOW TEMP, NARROW**	**GROC.**	**NEW**		**-11**	**4.8**	1		**EL/TEMP**			Note: Capacities stated using R404a data					
		1	**QTY**		**RLN(LT-E-LED2)-3**	**3 DOOR G.D., LOW TEMP, NARROW**	**GROC.**	**NEW**		**-11**	**2.9**	1		**EL/TEMP**			06DR337	10	-26	45.6	73.2	
																	06DR724	6.5	-26	25.9	42.0	
																	06DR337	10	-26	45.6	73.2	
																	Subcooling Credit for 50 deg. liquid			37.4		
																142.9				154.4	188.5	92.6%
																	NEW Air Cooled Condenser:					
																	HUSSMANN LAVA-24310, 47.99 mbh/deg td capacity, 68 circuits					
																	Refrigerant Charge (Lb's): 42.9					
																	NEMA 1 VSD Package:					
																	Drive - CONTROL TECHNIQUES SKD3400750-165-1 (K-0009093)					
																	Output Filter - 035-0017-N1 (K-0008992)					
																	Line Reactor (if required) - LRM0018-E (K-0009007)					
																	System THR TD Circuits					
																	Rack C 188.471 7.9 34					
																	Rack D 188.471 7.9 34					
																	Prefabricated Pipe Box - (AES Industries 42492)					
																	Condenser Equipment Support - Quantity (2) - (AES Industries 42449)					

SYS	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST #/DAY	DEFROST TYPE	REFRIG	TOTAL LOAD	REMOTE CONDENSER SYSTEM INFORMATION COND UNIT MODEL	COMP BODY	HP	SUCT TEMP	CAPACITY	PERCENT LOADED	No. OF CIRCUITS
F1	52	FT		D6L3	MULTI-DECK	DELI.	EX		20	69.7		4	OT/TEMP	HP80	69.7	EXISTING TYLER SINGLE REAPPLIED FROM DELI						
	16	FT		D6L3	MULTI-DECK	BEV.	EX		20	21.4		4	OT/TEMP			LOAD UNCHANGED						
																EXISTING Air Cooled Condenser						
																BOHN BRL-023						

SYS	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST #/DAY	DEFROST TYPE	REFRIG	TOTAL LOAD	CONDENSING UNIT INFORMATION COND UNIT MODEL	COMP BODY	HP	SUCT TEMP	CAPACITY	PERCENT LOADED	RECLAIM CIRCUIT
1	**6**	**QTY**		**O5DMM(BEV)-12**	**12' MULTIDECK W/ SYNERG-E COIL - 84" HIGH**	**BEV.**	**NEW**		**34**	**86.3**		**2**	**OT/TEMP**	R407A	86.3	HNHD0752MQ	3DA3R10ME		32	98.7	87.4%	
																NEW 208V Indoor Unit; Field locate per Kroger Project Manager's direction						
																Size (L x W x H Inches): 37 x 47 x 50						
																Weight (Lb's): 1250						
																Control: CPC CUB						
2	10'-6"	6'-7"	10	ACM102S	COOLER	FLOR.	NEW	K-0006058	32	7.4			OT/TIME	R407A	28.6	HNHQ2350MQ	ZB26KCE		30	32.0	89.5%	
	2	QTY		FT-8R	8' FLORAL DISPLAY CASE	FLOR.	NEW		32	16.9		4	OT/TIME			**NEW 208V Indoor Unit; Field locate per Kroger Project Manager's direction**						
	1	QTY		FT-EW90-R	S.S L.P. 90 DEG. WEDGE	FLOR.	NEW		32	4.2		6	OT/TIME			Size (L x W x H Inches): 37 x 47 x 50						
																Weight (Lb's): 650						
																Control: CPC CUB						

GENERAL NOTES :

ALL EQUIPMENT IS TO BE CONSIDERED UNLESS NOTED OTHERWISE. THE FULL EXTENT OF ELECTRICAL WORK AND/OR RELOCATED EQUIPMENT IS TO BE COMPLETED BY THE CONTRACTOR AND IS THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLANS WAS TAKEN FROM ARCHITECTURAL PLANS DATED 10/29/15 AND FIELD VERIFICATION. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE: DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. EQUIPMENT. IT IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER TO THE EXTENT OF THE BUILDING IS CONFORM TO ALL APPLICABLE LAWS, CODES, ORDINANCES AND REGULATIONS. ANY DEVIATIONS FROM THE DRAWING ARE/OR CODES AND REGULATIONS IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER.

Fred Meyer DIVISION
3800 S.E. 22ND AVENUE
PORTLAND, OR
PHONE: (503) 797-3507 FAX: (503) 797-3539

Kroger
GENERAL OFFICE
FACILITY ENGINEERING
1014 VINE ST, CINCINNATI, OHIO 45202
PH (800) 762-1467 FAX (513) 762-4462

WITHIN THE WALLS

FM-172
10201 SE 240TH
KENT, WA

CURRENT PLAN DATE: 12/1/2015
ORIGINAL PLAN DATE: 8/11/2015
DRAWN: VICTOR HAYES
CHECKED: MATT VANZANT
REVISIONS: SJ 10/19/15 | SJ 11/5/2015 | JBG 12/1/15

STANDARD PLOTTED SCALE: 1/4" = 1'-0"

BUILDING STATS:

TOTAL SHELVING	7,204 LF
SALES AREA % OF GROSS BUILDING	131,363 SF 76 %
BASE STORE	145,150 SF
MEZZANINE	27,221 SF
DOCK / UTILITY	0 SF
GROSS BUILDING	172,370 SF

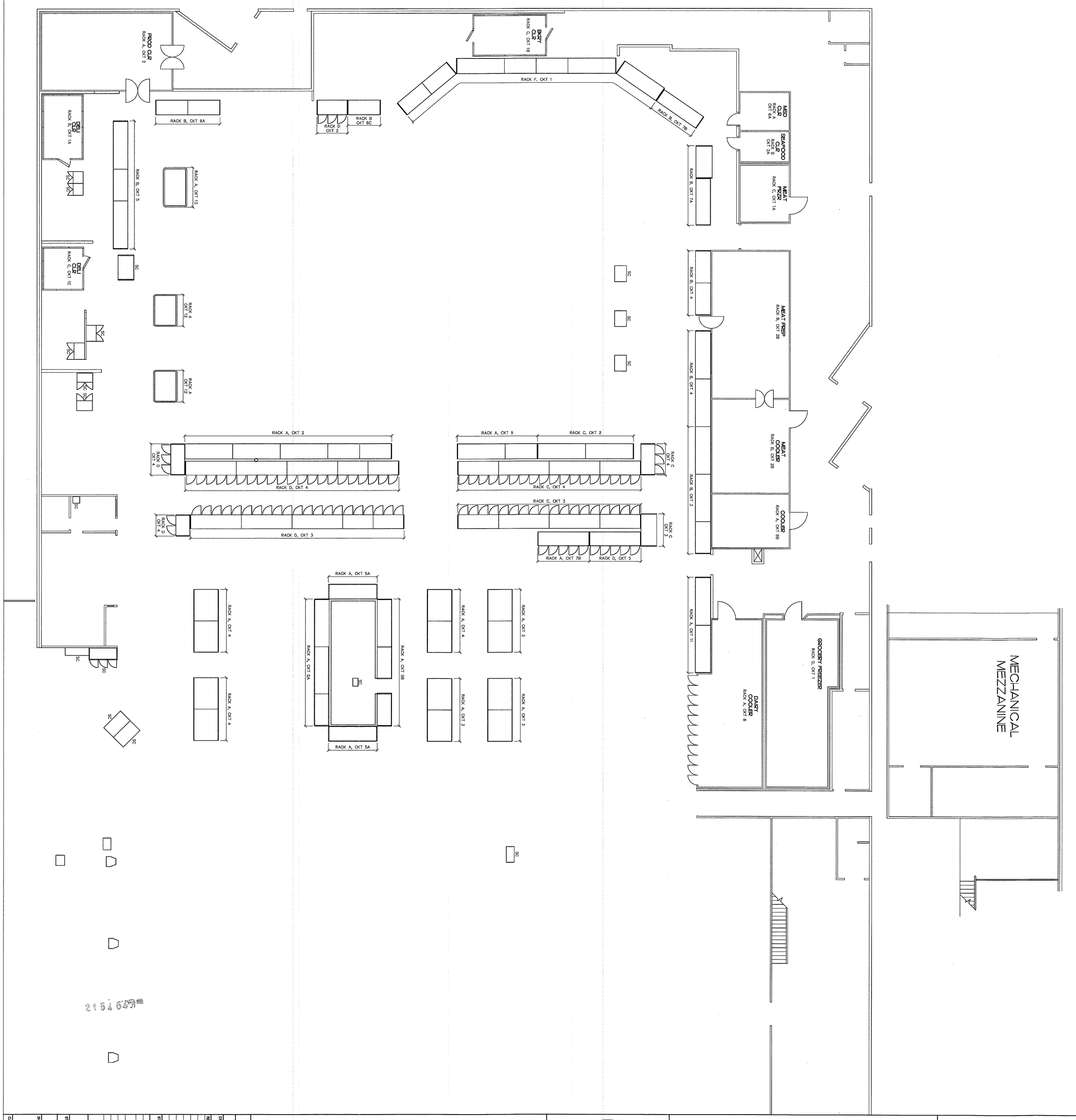
REFRIGERATION EQUIP SCHEDULE

STEEL PACKAGE ID: Not Applicable

FM-172

SHEET: R6.1

CAD FILE: FM7226LDWG



REFRIG TEMP MONITORING

FM-172

10201 SE 240TH
KENT, WA

CURRENT PLAN DATE: 2/12/2015
ORIGINAL PLAN DATE: 2/12/2015
DRAWN: E. SEARS
CHECKED:
REVISIONS:

STANDARD FLOOR PLAN SCALE: 1/16" = 1'-0"
NTS

BUILDING STATS:

TOTAL SHELVING	7,199 LF	
SALES AREA	130,904 SF	
% OF GROSS BUILDING	76 %	
BASE STORE	145,150 SF	
MEZZANINE	27,227 SF	
DOCK / UTILITY	0 SF	

GROSS BUILDING
172,370 SF

REFRIGERATION
TEMP MONITORING

STEEL PACKAGE
Not Applicable

SHEET: FM-172

RTM

CAD FILE: FM172RTMDWG

Kroger
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NOTE:
THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. THE DESIGN OF THE BUILDING TO CONFORM TO ALL APPLICABLE LAWS, CODES, REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION AUTHORITIES HAVING JURISDICTION IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER.

2154547

DESCRIPTION	REM.	HVAC-M	RIC	RESPONSIBILITY KROGER	EC	HVAC-C	EMS-C	COMMENTS
COMMUNICATION/POWER CABLING								
NETWORK WIRING BETWEEN PROTOCOL/RACK CONTROLLERS AND IDF CABINETS				F/I	I*			*CONDUIT TO ACCESSIBLE CEILING SPACE
NETWORK WIRING BETWEEN ALARM LOGGER AND IDF CABINETS				F/I	I*			*CONDUIT TO ACCESSIBLE CEILING SPACE
NETWORK WIRING BETWEEN PROTOCOL UNIT/RACKS AND PANELS, AND DEFROST PANELS							F/I	
NETWORK WIRING TO CONDENSERS COMMUNICATION BOARDS					I*		F/I	*ROOF PENETRATION CONDUIT BY E.C.
NETWORK WIRING BETWEEN HOCA OR HICA UNIT CONTROL BOARD AND CONTROLLER							F/I	
WIRING TO REFRIGERATION LIQUID LINE SOLENOID VALVES					F/I*		F/I	*IF SUPPLIED AR 120 LINE VOLTAGE
WIRING TO REFRIGERATION SUCTION STOP SOLENOID VALVES					F/I*		F/I	*IF SUPPLIED AR 120 LINE VOLTAGE
WIRING TO DEFROST TERMINATIONS							F/I	
WIRING TO HOT WATER REGLAIM VALVE AND CONTROLS					F/I*		F/I	*IF SUPPLIED AR 120 LINE VOLTAGE
WIRING TO DOOR/REFREEZER DOOR SWITCHES							F/I	
LINE VOLTAGE POWER TO VSD CONTROL PANELS, LINE REACTORS AND DRIVES					F/I			
WIRING TO DEFROST PANEL LOW VOLTAGE CONTROL TERMINATIONS							F/I	
WIRING TO DEFROST PANEL LINE VOLTAGE CONTROL TERMINATIONS)					F/I			PER NEC
LINE VOLTAGE POWER TO EMS EQUIPMENT					F/I*		F/I	* 120 LINE VOLTAGE SIDE OF TRANSFORMER
WIRING TO ALARM BUSS(D)					F/I*		F/I	* 120 LINE VOLTAGE SIDE OF TRANSFORMER
EMS CONDUIT(S)					F/I			PROVIDE PULL STRING
REFRIGERATION EQUIPMENT								
REFRIGERATION CONTROL PANEL (RX CONTROLLER - CPC OR DAN FOSS)	F/I*			F			I	*NEW PROTOCOL/RACK ONLY.
I/O BOARDS/MODULES & TRANSFORMERS IN RACKS	F/I*			F			I	*NEW PROTOCOL/RACK ONLY.
CONTROL FUSES, FUSE BLOCKS (LOW VOLTAGE)	F/I*						F/I	*NEW PROTOCOL/RACK ONLY.
CONTROL FUSES, FUSE BLOCKS (LINE VOLTAGE)	F/I*				F/I			*NEW PROTOCOL/RACK ONLY.
CONTROL BREAKERS (LOW VOLTAGE)	F/I*						F/I	*NEW PROTOCOL/RACK ONLY.
CONTROL BREAKERS (LINE VOLTAGE)	F/I*				F/I			*NEW PROTOCOL/RACK ONLY.
CONDENSOR BOARDS W/ENCLOSURE & TRANSFORMERS	F/I*							*NEW PROTOCOL/RACK ONLY.
VSD BYPASS PANEL, LINE REACTORS, DRIVES				F	I		I*	*LOW VOLTAGE CONTROLS
NEW 8RLOG T-PANEL / WRLOG				F	I*		I	*120 LINE VOLTAGE AND CONDUIT
ANTI-SWEAT CONTROLLER (CPC - PMAC II OR DAN FOSS - NO SWEAT)				F	I*		I	*120 LINE VOLTAGE, CONDUIT AND MOUNT PANEL
NEW DEFROST PANEL WITH EXISTING PROTOCOL OR EXISTING RACK				F	I*			*120/208 LINE VOLTAGE, CONDUIT AND MOUNT PANEL
NEW DEFROST PANEL WITH NEW PROTOCOL OR WITH NEW RACK	F				I*			*120/208 LINE VOLTAGE, CONDUIT AND MOUNT PANEL
EXISTING DEFROST PANEL MODIFICATIONS (PER PLANS) (LOW VOLTAGE)				F			I	CONTROL BOARD/MODULES, POINTS
EXISTING DEFROST PANEL MODIFICATIONS (PER PLANS) (LINE VOLTAGE)					F/I*			*120/208 LINE VOLTAGE, BREAKERS & CONTACTORS
EXISTING REFERG. RACK MODIFICATION FOR NEW/ELECTRICAL COMPONENTS					F/I*			* BREAKERS, SWITCHES, INDICATOR LIGHTS TO MATCH EXISTING RACK COMPONENTS
SUCTION STOP SOLENOID VALVES	F		I		I*		I**	*120/208 LINE VOLTAGE **LOW VOLTAGE
REFRIGERATION LIQUID LINE SOLENOID VALVES	F		I		I*		I**	*120/208 LINE VOLTAGE **LOW VOLTAGE
SPORT EPR VALVES	F/I*		I	F			I**	*NEW/NON-DISTR/TOCOL ONLY **LOW VOLTAGE
CPC RX-400 ANNUNCIATOR/DAN FOSS ALARM LOGGER				F	I*		I	*120 LINE VOLTAGE AND MOUNT PANEL
REFRIGERATION SENSORS								
RACK / REMOTE/ PROTOCOL UNIT SENSORS AND TRANSDUCERS	F/I*						F/I	*NEW PROTOCOL ONLY.
WALK-IN COOLER / FREEZER ANALOG TEMPERATURE SENSORS			I	F			I*	* BASIC TO COORDINATE WITH RIC FOR SENSOR INSTALL & WIRING LOCATIONS
REFRIGERATED MERCHANDISER ANALOG TEMPERATURE SENSOR	F/I*		I**	F			I*	*NEW CASES ONLY, **RIC SEAL PENETRATIONS
WALK-IN GLYCOST THERMISTOR/SOLUTION LOSS TEMP	F/I							
HOT WATER HEAT RECLAIM TEMPERATURE PROBE / SENSOR				F			I	PROBE/WELL INSTALLED BY PLUMBING CONTRACTOR
WALK-IN DOOR SWITCHES							F/I	
CONDENSING UNIT SENSORS				F			I	
BUILDING CONTROL COMMUNICATION			BUILDING CONTROL EQUIPMENT					
OWNER CABLING								
NETWORK WIRING BETWEEN ENVIROMENT BX CONTROLLER AND IDF CABINET				F/I				
NETWORK COMMUNICATION WIRING BETWEEN COMMUNICATION BOARDS							F/I	
WIRING TO HVAC FIELD SENSORS							F/I	
WIRING TO OVERRIDE BUTTONS							F/I	
WIRING TO LIGHTING CONTACTOR CABINETS					F#		F/I	*120 & 277 LINE VOLTAGE AND CONDUIT
WIRING TO UNIT HEATERS							F/I	MAKE ALL FINAL CONNECTIONS
WIRING TO CONTROL TRANSFORMERS					F#		F/I	*120 LINE VOLTAGE AND CONDUIT
WIRING TO DUCT SMOKE DETECTOR (HVAC UNIT SHUTDOWN)							F/I	
WIRING TO ENVIROMENTAL BX CONTROLLER (CPC OR DAN FOSS)					F#		F/I	* 120 LINE VOLTAGE AND CONDUIT
WIRING TO REFRIGERATION CONTROLLER (CPC OR DAN FOSS)					F#		F/I	* 120 LINE VOLTAGE AND CONDUIT
WIRING TO ANTI-MOIS/HEAT PANEL (CPC OR DAN FOSS)					F#		F/I	* 120 LINE VOLTAGE AND CONDUIT
EMS CONDUIT					F/I			PROVIDE PULL STRING
BUILDING CONTROL EQUIPMENT								
ENVIROMENTAL BX CONTROLLER PANEL (CPC OR DAN FOSS)				F			I	
OVERRIDE BUTTONS							F/I	
CPC AIRO BOARDS/DAN FOSS AIRO MODULES FOR ENVIROMENTAL BX CONTROLLER				F			I	
CPC MULTIFLEX 168 AND 8RO BOARDS/DAN FOSS AIRO MODULES FOR HVAC UNITS		*I/I		F			I	*NEW UNITS ONLY
CPC MULTIFLEX 8BAO/DAN FOSS AIRO MODULES FOR SMALL HVAC UNITS		*I/I		F			I	*NEW UNITS ONLY
CONTROL TRANSFORMERS FOR MONITORING					I		F	
LIGHTING CONTACTOR CABINETS								
NEW LIGHTING CONTACTOR CABINET INCLUDING CONTACTORS (PER EMT x DOCUMENTS)					I		F*	*CONTACTORS ASSEMBLED IN ENCOSSURES PER EMP.X
REMOVABLE LIGHTING CONTACTOR CABINET (PER EMT x DOCUMENTS)								
__ LINE VOLTAGE 120/277 VOLTS					F/I			
__ CONTACTORS					I		F	
__ LOW VOLTAGE (INCLUDING Terminal blocks, Relays, Fuses)							F/I	
CONTROLLER PROGRAMMING								
REFRIGERATION CONTROLLER PROGRAMMING			F/I					
BUILDING CONTROLLER PROGRAMMING							F/I	
HVAC SENSORS								
SALES AREA TEMPERATURE SENSORS				F			I	
DUCT SMOKE DETECTOR							F/I	COORDINATE TYPE WITH FIRE ALARM/WIRED BY EMS-C
RELATIVE HUMIDITY SENSORS				F			I	
AIR SWITCH SENSOR OR FAN PROOFING FOR EXISTING UNITS							F/I	FAN PROOFING COMPATIBLE WITH CPC/DAN FOSS
CO2 SENSORS				F			I	
AMBIENT SENSORS OR OUTDOOR WEATHERSTATION							F/I	
LIGHTING SENSORS								
ROOF LIGHT LEVEL SENSOR				F			I	ON ROOF FACING NORTH.
SKYLIGHT LIGHT LEVEL SENSOR				F			I	IN THE SPACE UNDER SKYLIGHT DOME
REFRIGERATION BOTTON SENSOR (WATT STOPPER)								
MOTION SENSOR				F	I			SEE DETAIL EXD1
POWER PACK				F	I			SEE DETAIL EXD1
CONNECTION CABLE FOR MOTION SENSOR				F	I			SEE DETAIL EXD1
			GENERAL CONTROL EQUIPMENT					
WIRING EMERGENCY GENERATOR REMOTE ANNUNCIATOR				F	I			LOCATE AT CS DESK. FOR NEW GENERATOR

LEGEND	
F – FURNISH	RIC – REFRIGERATION INSTALLATION CONTRACTOR
I – INSTALL	EC – ELECTRICAL CONTRACTOR
F / I – FURNISH AND INSTALL	HVAC–M – HVAC EQUIPMENT MANUFACTURER (OEM)
REM – REFRIGERATION EQUIPMENT MANUFACTURER (OEM)	HVAC–C – HVAC CONTRACTOR
KROGER – OWNER	EMS–C – EMS CONTRACTOR

1 CONTRACTOR RESPONSIBILTY MATRIX DETAIL — SCALE: NONE

SYMBOL	DESCRIPTION
DT	DEFROST TERMINATION THERMOSTAT
TS TS	ANALOG TEMPERATURE SENSOR
S	ANALOG TEMPERATURE SENSOR (HVAC)
RH	ANALOG RELATIVE HUMIDITY SENSOR
LLS	LIGHT LEVEL SENSOR
A	AMBIENT TEMPERATURE SENSOR / SHIELD
DS	DOOR SWITCH
PM	PHASE MONITOR
SD	SMOKE DETECTOR
J	CLEAN POWER FIELD INSTALLED BY EC
◇0	KEY NOTE SYMBOL
DA	LOCAL DOOR ALARM
ITS	IMMERSABLE TEMPERATURE SENSOR NUMBER
4S	(4) INTERNAL RTU MIXED AIR TEMPERATURE SENSORS
2S	(2) INTERNAL RTU MIXED AIR TEMPERATURE SENSORS
F	AIR FLOW/ SAIL PROOFING SWITCH
RA	REFRIGERTION LEAK ALARM
EPR	EVAPORATOR PRESSURE REGULATOR
AC / F	HVAC UNIT DESIGNATION (AC, RTF, UH, EF)
(E) (N) (R)	EXISTING / NEW / RELOCATED
•	PUSHBUTTON
SS LS	SUCTION STOP SOLENOID OR LIQUID SOLENOID
RS	REFRIGERANT LEAK SENSOR, ANALOG
HS	HORN STROBE
CO2	CO2 SENSOR
○	STUB UP LOCATION FOR CONDUIT.

* WHEN CASES ARE FED FROM LOOP PIPING, SUCTION STOP SOLENOIDS WILL BE ON REFRIGERATION CIRCUITS ON SALES FLOOR.

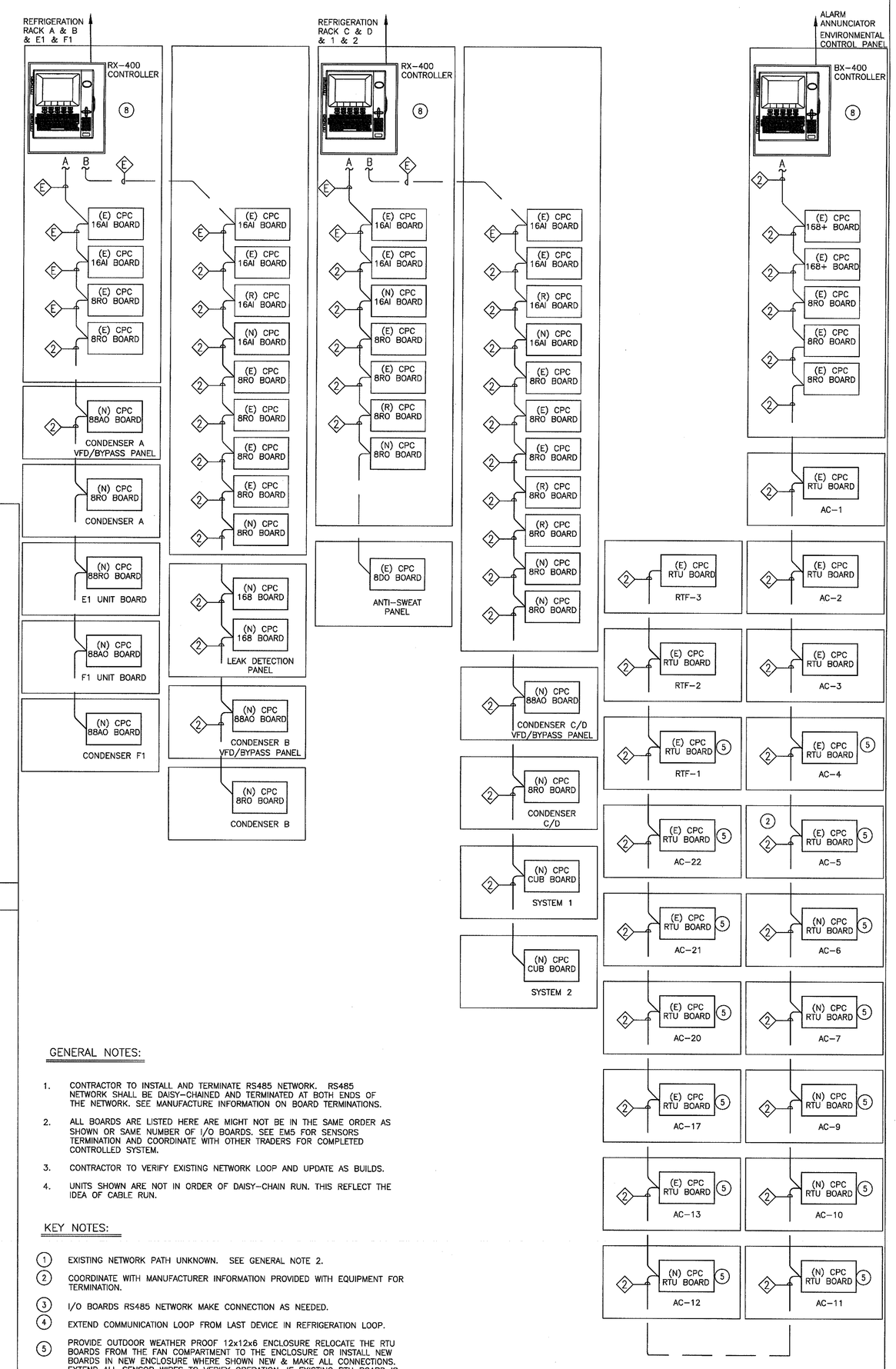
3 GENERAL SYMBOLS — SCALE: NONE

2 EMS EPRO ITEMS NEED — SCALE: NONE

KEY NOTE	DESCRIPTION	WIRE TYPE PLENUM
◇1	W.A.N. CONNECTION	BELDEN #1533P #24-8 CATEGORY-5 CABLE OR APPROVED EQUAL
◇2	RS-485 NETWORK	BELDEN #88641 #22-2 SHEILDED CABLE OR APPROVED EQUAL
◇3	ANALOG/DIGITAL TEMPERATURE SENSOR/INPUT:	BELDEN #18-2 SHIELDED CABLE OR APPROVED EQUAL
◇4	DEFROST TERMINATION SENSOR:	BELDEN #18-2 SHIELDED CABLE OR APPROVED EQUAL
◇5	RELATIVE HUMIDITY SENSOR:	BELDEN #18-3 SHIELDED CABLE OR APPROVED EQUAL
◇6	LIGHT LEVEL SENSOR/PRX TEMPERATURE SENSOR	BELDEN #18-4 SHIELDED CABLE OR APPROVED EQUAL
◇7	OUTDOOR TEMPERATURE SENSOR /DROP LEG SENSOR	BELDEN #18-2 SHIELDED CABLE OR APPROVED EQUAL
◇8	HORN STRB REFER LEAK ALARM/LOCAL DR ALARM	#14 TWISTED PAIR (PLENUM RATED)
◇9	LIGHTING CONTROL CABINET	MULTI-CONDUCTOR CABLE TO COVER ALL LIGHTING CONTACTOR CONTROL TO EMS 8RO BOARD).
◇10	REFRIGERATION SOLENOID VALVE	#14 TWISTED PAIR (PLENUM RATED)
◇11	LIGHTING CONTROL BUSS CONTACTOR	#14 TWISTED PAIR (PLENUM RATED)
◇12	HVAC STAGING CONTROL	#22-8 OR LOW VOLTAGE MULTI CONDUCTOR CABLE
◇13	UNIT HEATER CONTROL	#18/2 FOR CONTROL AND #18-2 FOR TEMPERATURE SENSOR OR EQUAL.
◇14	LINE VOLTAGE IN CONDUIT	PER NEC & MANUFACTURE'S GUIDLINES
◇15	TRANSDUCER	BELDEN #88770 #18-3 SHIELDED CABLE OR APPROVED EQUAL
◇E	EXISTING CONDUCTOR TO REMIAN. TYPE AS INDICATED.	
◇F	MANUFACTURE PROVIDED AND INSTALLED CONDUCTOR	
◇EC	ELECTRICAL CONTRACTOR INSTALLED CONDUCTOR AND CONDUIT.	

4 ENERGY MANAGEMENT WIRING SCHEDULE DETAIL — SCALE: NONE

TO KROGER SUPPLIED ETHERNET SWITCH IN THE TELEPHONE/ECR ROOM OR IDF CABINET PER LOCAL I/S DEPARTMENT SPECIFICATIONS NETWORK CONFIGURATION PROVIDED BY LOCAL I/S DEPARTMENT.



GENERAL NOTES:

1. CONTRACTOR TO INSTALL AND TERMINATE RS485 NETWORK. RS485 NETWORK SHALL BE DAISY–CHAINED AND TERMINATED AT BOTH ENDS OF THE NETWORK. SEE MANUFACTURE INFORMATION ON BOARD TERMINATIONS.
2. ALL BOARDS ARE LISTED HERE ARE MIGHT NOT BE IN THE SAME ORDER AS SHOWN OR SAME NUMBER OF I/O BOARDS. SEE EMS FOR SENSORS TERMINATION AND COORDINATE WITH OTHER TRADERS FOR COMPLETED CONTROLLED SYSTEM.
3. CONTRACTOR TO VERIFY EXISTING NETWORK LOOP AND UPDATE AS BUILDS.
4. UNITS SHOWN ARE NOT IN ORDER OF DAISY–CHAIN RUN. THIS REFLECT THE IDEA OF CABLE RUN.

KEY NOTES:

1. EXISTING NETWORK PATH UNKNOWN. SEE GENERAL NOTE 2.
2. COORDINATE WITH MANUFACTURER INFORMATION PROVIDED WITH EQUIPMENT FOR TERMINATION.
3. I/O BOARDS RS485 NETWORK MAKE CONNECTION AS NEEDED.
4. EXTEND COMMUNICATION LOOP FROM LAST DEVICE IN REFRIGERATION LOOP.
5. PROVIDE OUTDOOR WEATHER PROOF 12x12x6 ENCLOSURE RELOCATE THE RTU BOARDS FROM THE FAN COMPARTMENT TO THE ENCLOSURE OR INSTALL NEW BOARDS IN NEW ENCLOSURE WHERE SHOWN NEW & MAKE ALL CONNECTIONS. EXTEND ALL SENSOR WIRES TO VERIFY OPERATION, IF EXISTING RTU BOARD IS NOT USABLE OR DAMAGED, CONTACT KPM FOR POSSIBLE REPLACEMENT.
6. FILED INSTALLED BOARD. MAKE FINAL COMMUNICATION CONNECTIONS.
7. E2 REFRIGERATION (RX) CONTROLLER
8. INSTALL NEW E2 CONTROLLER IN EXISTING PANEL WITH PROVIDED MOUNTING HARDWARE. MAKE ALL FINAL CONNECTIONS TO CONTROLLER.
9. DISCONNECT NETWORK AND PROVIDE NEW AS INDICATED.

LEGEND

- LIGHT/DASHED = EXISTING WIRING
- LIGHT/SOLID = EXISTING EQUIPMENT
- DARK/DASHED = NEW WIRING
- DARK/SOLID = NEW EQUIPMENT

5 NETWORK WIRING LOOP DETAIL — SCALE: NONE

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SHEET TITLE:
ENERGY MANAGEMENT DETAILS / SCHEDULES

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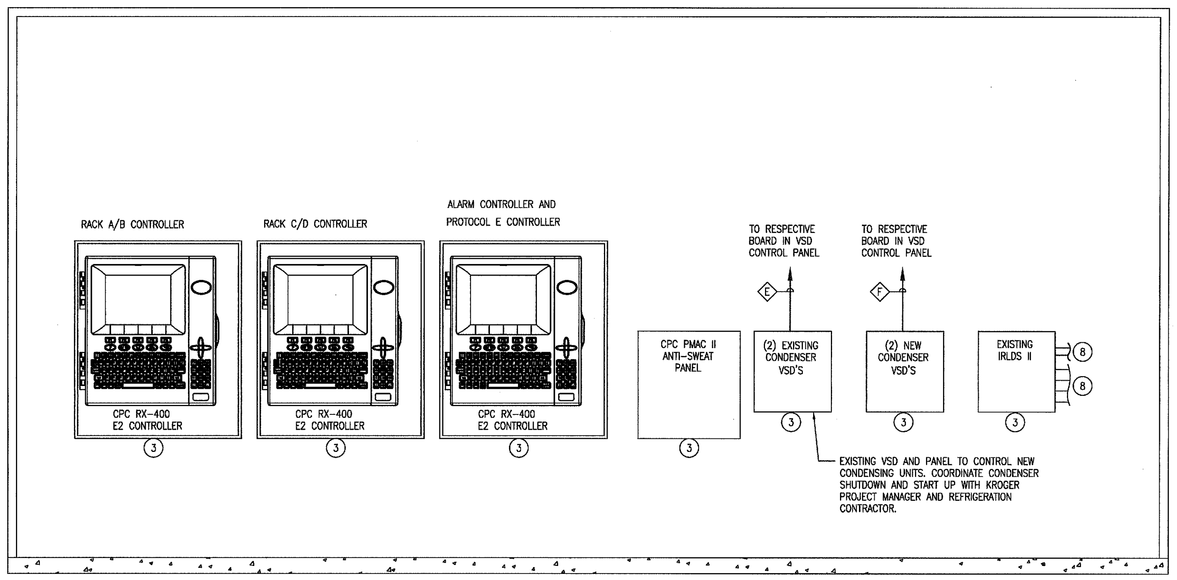


COMPRESSOR MEZZANINE

GENERAL NOTES:

1. THE EMS-C SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE ENERGY MANAGEMENT SYSTEM (EMS). THIS SHALL INCLUDE, BUT NOT BE LIMITED TO THE START-UP, PUNCHDOWN AND PROGRAMMING ADJUSTMENT OF THE ENTIRE CPC CONTROL SYSTEM THAT IS LISTED IN EMS-C SCOPE, INCLUDING HVAC AND LIGHTING CONTROL.
2. THE EMS-C SHALL PROVIDE ALL COORDINATION BETWEEN THE VARIOUS TRADES, INCLUDING REFRIGERATION, HVAC AND ELECTRICAL TO ENSURE THAT ALL EQUIPMENT IS PROPERLY CONTROLLED AND THAT ALL CONTROL POINTS HAVE BEEN ACCOMMODATED. THIS SHALL INCLUDE VERIFYING ALL HVAC EQUIPMENT TO BE CONTROLLED, VERIFYING ALL STAGES OF HEATING, COOLING, HEAT RECLAIM, TWO SPEED FANS, LIGHTING CONTROLS, ETC. AND ENSURING THAT ADEQUATE SENSORS HAVE BEEN SUPPLIED TO ENABLE PROPER CONTROL OF THE SAME.
3. UPON COMPLETION OF THE EMS INSTALLATION, THE EMS-C SHALL PROVIDE ACCURATE AND COMPLETE AS-BUILT DOCUMENTATION TO THE OWNER AND THE ENGINEER. THIS DOCUMENTATION MUST INCLUDE AN 30"X42" PLAN INDICATING THE LOCATIONS OF ALL OF THE CASE CONTROLLERS, PROBES, SENSORS, RELAYS, REMOTE I/O BOARDS, CONTROLLERS, MODEM AND REFRIGERANT LEAK SENSORS FOR THE ENTIRE EMS INSTALLATION INCLUDING REFRIGERATION, HVAC AND LIGHTING. THE EMS-C SHALL ALSO FURNISH AND INSTALL AN 8"X11" SHEET WITH COMPLETE PRINTOUT SHOWING TERMINATION POINTS, BOARD LAYOUTS AND INITIAL CONTROL SET POINTS FOR HVAC AND LIGHTING CONTROL. POST EACH SHEET ADJACENT TO EACH REFRIGERATION CONTROLLER OR BUILDING CONTROLLER.
4. ONCE THE NEW CONTROL SYSTEM HAS BEEN INSTALLED AND THE HVAC SYSTEMS ARE READY TO BE BROUGHT ON LINE, THE HVAC-C MUST PROVIDE THE NECESSARY SUPERVISION FOR STARTUP OF THE CONTROL SYSTEM AND COORDINATE START-UP WITH EMS-C. THE HVAC-C MUST ENSURE THAT ALL THE HVAC SYSTEMS ARE OPERATING CORRECTLY AND PROVIDE ANY FINE TUNING OF THE SYSTEM THAT IS REQUIRED.
5. DETAIL 1 IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO CONVEY INSTALLATION REQUIREMENTS REGARDING THE ENERGY MANAGEMENT CONTROL SYSTEM. THIS DRAWING IS PICTORIALLY DRAWN FOR CLARIFICATION PURPOSES ONLY, DO NOT SCALE. THIS DRAWING IS GENERIC AND NOT ALL COMPONENTS SHOWN ARE REQUIRED FOR INSTALLATION. REFER TO RESPONSIBILITY CHARTS, DETAIL 1/SHEET EM1, FOR FINAL EQUIPMENT AND INSTALLATION REQUIREMENTS. REFER FOR TO EM-3 AND EM-6 WHERE THESE DEVICES ARE CALLED OUT TO BE USED IF ANY.
6. REFRIGERATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFRIGERATION ISSUES REGARDING REFRIGERATED CASES, EVAPORATOR COILS, REFRIGERATION CONDENSERS, PREP ROOM REFRIGERATION, COMPRESSOR RACKS AND HOT WATER RECLAIM. IT SHALL BE THE RESPONSIBILITY OF THE REFRIGERATION CONTRACTOR TO ENSURE A FULLY OPERATIONAL SYSTEM. INCLUDING PROGRAMMING THE MAIN CONTROLLER FOR CIRCUITS, VERIFY CASE TEMPERATURE, MAKING PROGRAMMING ADJUSTMENT, ADDING DELETING DEFROST SCHEDULE. REFER TO REFRIGERATION INSTALLATION SPECIFICATIONS 11414.3 SECTION 3.7(N). SEE DETAIL 1/SHEET EM1 FOR MORE INFORMATION REGARDING CONTRACTOR RESPONSIBILITIES.
7. LOW VOLTAGE EMS CONTROL WIRING AND CONNECTIONS BY EMS-C. ALL OTHER HIGH VOLTAGE WIRING SHALL BE BY THE GENERAL CONTRACTORS OR ELECTRICAL CONTRACTOR (UNLESS OTHERWISE NOTED).
8. REFER TO REFRIGERATION LEGENDS FOR INFORMATION REGARDING FIXTURE, WALK-IN COOLER/FREEZERS, EVAPORATORS, CONDENSERS AND RECLAIM REQUIREMENTS.

KEY NOTES:

1. COORDINATE WITH FIRE ALARM CONTRACTOR AND KROGER PROJECT MANAGER FOR THE FIRE ALARM SYSTEM AND STORE SECURITY ALARMS.
2. CONTRACTOR TO COORDINATE REQUIRED DUCT SMOKE DETECTORS AND CONDUCTORS WITH FIRE ALARM CONTRACTOR/KROGER PROJECT MANAGER.
3. SEE NETWORK LOOP DIAGRAM SHEET EM1.
4. VERIFY VOLTAGE. VALVE SHIPPED LOOSE FROM MANUFACTURE. COORDINATE WITH KROGER PROJECT MANAGER.
5. CONTACTOR COILS TO BE 120 VOLT WITH 24 VOLT CONTROL RELAYS.
6. SEE DETAIL 5/EM4.
7. SEE THE MECHANICAL SCHEDULE FOR FAN AND AC UNIT INTERLOCKS.
8. PROVIDE AND INSTALL HOSES AND INSTAKE TIPS AS REQUIRED FOR NEW PROTOCOL UNITS. VERIFY WORKING CONDITION OF EXISTING AND REPLACE AS REQUIRED.

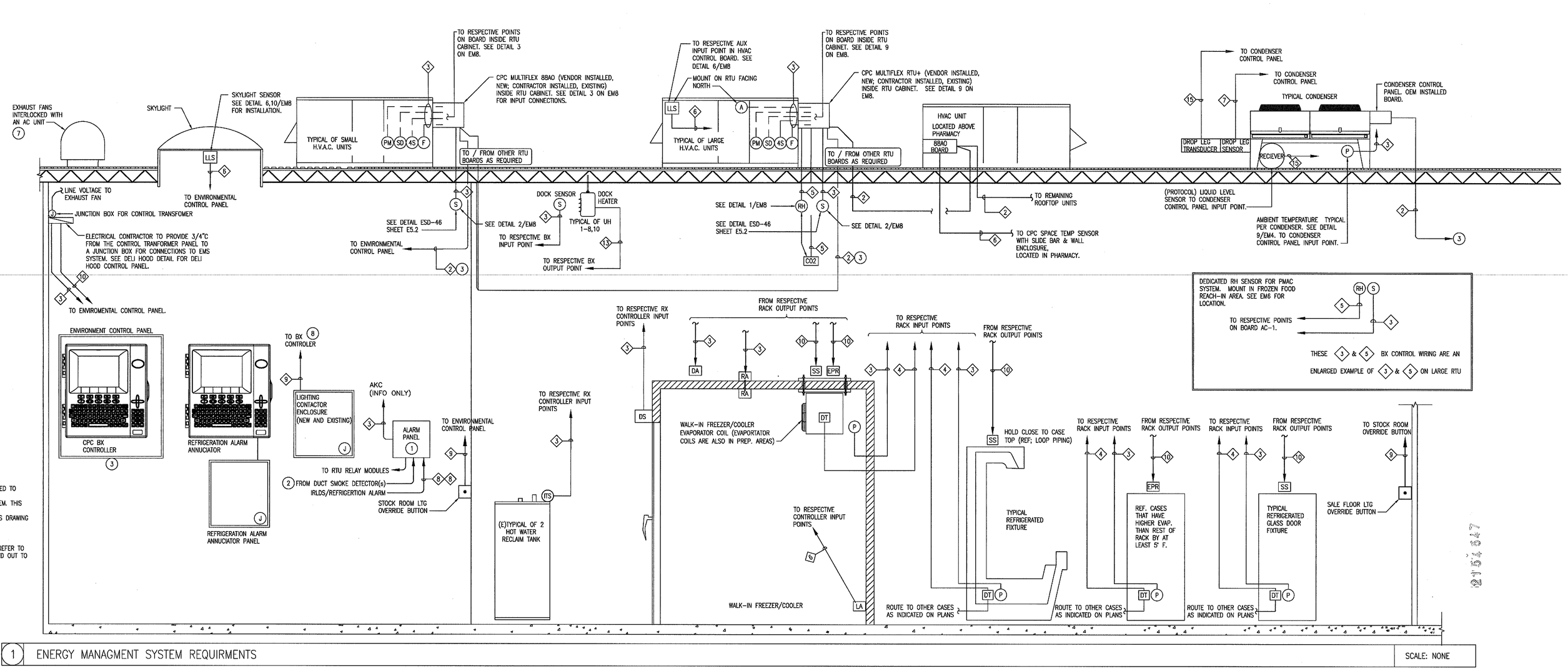
LEGEND

— — — — — —	OEM INSTALLED WIRING
———————	FIELD INSTALLED WIRING
———————	EXISTING DEVICE OR WIRING

EQUIPMENT NOTE

REFER TO CPC INSTRUCTION MANUALS OR CPCUS.COM FOR INFORMATION REGARDING CPC CONTROL COMPONENTS (I.E. INPUT/OUTPUT BOARDS, ELECTRICAL REQUIREMENTS, ETC.).
RTU'S ARE SHUT DOWN, VIA THE E2 CONTROLLER/EMS PANEL, UPON SIGNAL FROM SMOKE DETECTORS.

2 ENERGY MANAGEMENT GENERAL NOTES — SCALE: NONE



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1 ENERGY MANAGMENT SYSTEM REQUIRMENTS — SCALE: NONE

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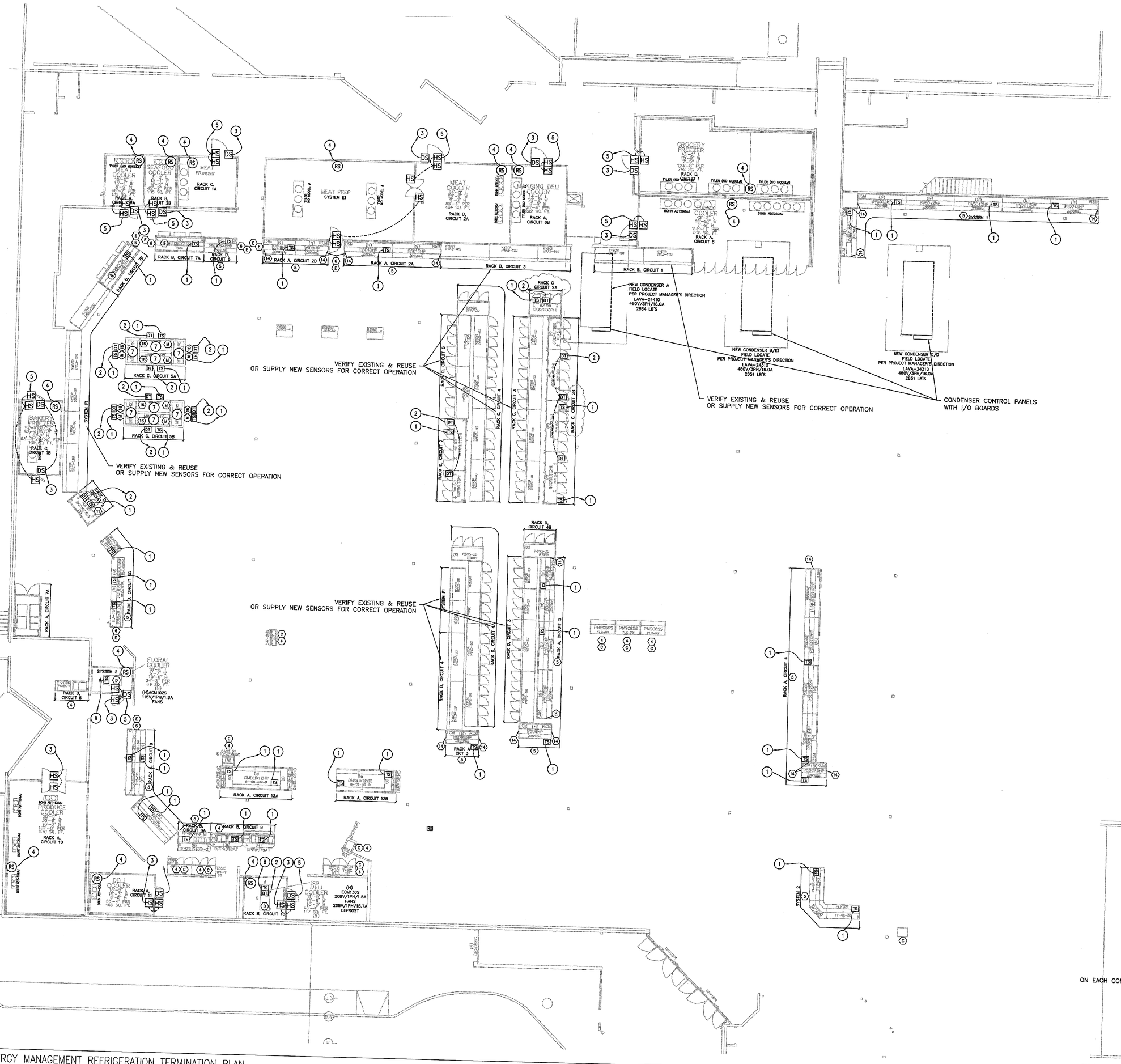
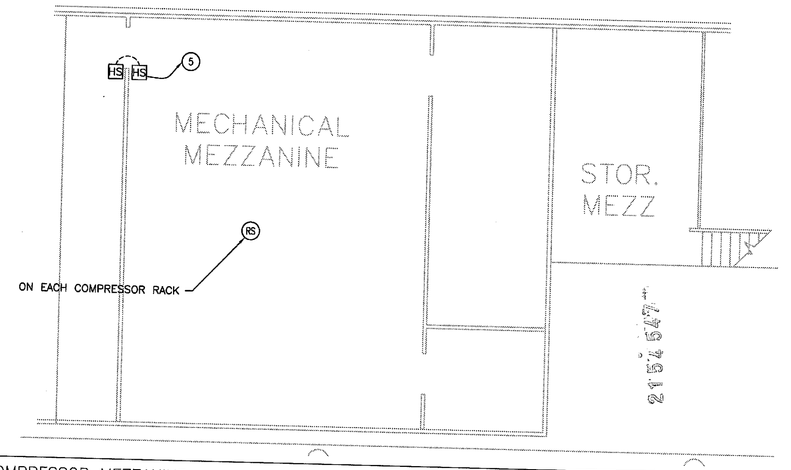


1 ENERGY MANAGEMENT REFRIGERATION TERMINATION PLAN

SCALE: 3/32"=1'-0"



2 COMPRESSOR MEZZANINE

SCALE: 1/8"=1'-0"

KEY NOTES:

1. SYSTEM TEMPERATURE SENSOR. SENSOR INSTALLED BY MANUFACTURE. COORDINATE WITH MANUFACTURE PROBE LOCATION LAYOUT PRIOR TO FINAL ROUGH IN. COORDINATE WITH KROGER PROJECT MANAGER. SEE DETAIL 4/EM1 FOR CONDUCTOR TYPE. ROUTE VIA EC PROVIDED CONDUIT TO INDICATED INPUT BOARD. SEE EM5 FOR TERMINATION POINT. MAKE ALL FINAL CONNECTIONS TO CASE AND AT RACK.
2. DEFROST TERMINATION SENSOR. SENSOR INSTALLED BY MANUFACTURE. SEE DETAIL 4/EM1 FOR CONDUCTOR TYPE. ROUTE VIA EC PROVIDED CONDUIT TO INDICATED INPUT BOARD. SEE EM5 FOR TERMINATION POINT. CONNECT ALL (DT) IN SERIES PER SYSTEM. MAKE ALL FINAL CONNECTIONS TO CASE AND AT RACK.
3. DOOR SWITCH. SEE DETAIL 4/EM-1 FOR CONDUCTOR TYPE. PROVIDE AND INSTALL A MAGNETIC DOOR SWITCH SUCH THAT READS CLOSED WHEN THE DOOR IS CLOSED AND OPEN WHEN OPEN. SEE EM5 FOR INPUT TERMINATION POINT. THE DOOR SWITCH SHALL FUNCTION TO DE-ENERGIZE FAN CIRCUIT AND REFRIGERATION SOLENOID VALVE WHEN DOOR IS OPENED FOR ALL WALK-IN FREEZERS ONLY. STATUS ONLY FOR OTHER LISTED COOLER.
4. MRLDS IS A REFRIGERANT LEAK DETECTION DEVICE OWNER SUPPLIED. REQUIRE TWO CONDUCTOR 18AWG FOR 24V POWER AND TWO CONDUCTOR TO INPUT BOARD. USE WIRE GUARD TO ENCLOSE AND PROTECT WALL MOUNTED DETECTOR IN ALL COOLERS AND FREEZERS PROVIDE METAL MESH FOR PROTECTION AGAINST TAMPERING AND DAMAGE. USE 809-1001 FOR FREEZERS AND 809-1000 FOR ALL OTHER LOCATIONS. SEE EM4 FOR WIRING DETAILS.
5. PROVIDE AND INSTALL HORN AND STROBES PART NUMBER MTWP-2475W-NW WITH WEATHERPROOF BACK BOX IOB-W FOR INSIDE AND OUTSIDE OF THE BOX AS SHOWN. ENERGIZE WITH 24VDC FROM MRLDS 8RO POINT, BASED ON LEAK SET POINT. SEE EM4 FOR DETAILS.
6. CONDUIT WITH PLASTIC BUSHING PROVIDED AND INSTALLED WITH PULL CORD BY ELECTRICAL CONTRACTOR. CONDUIT TO BE INSTALLED UNDER FLOOR. ROUTE IN COMMON TRENCH. CONDUIT TO BE 1"C UNLESS OTHERWISE NOTED.
7. TOGGLE SWITCH STATUS UNDER THE CASE. REWIRE THE DUAL TEMP. FACTORY SWITCH TO FREE ONE POLE SO YOU CAN USE FOR STATUS TO E2 CONTROLLER WHEN IN LOW OR MEDIUM CONDITION. PULL WIRE AND TERMINATE AS NEEDED. CHANGE SWITCH TO PROVIDE THIS FUNCTION IF THE ONE CAN'T BE MODIFIED.
8. COOLER\FREEZER BOX TEMPERATURE SENSOR. COORDINATE WITH REFRIGERATION CONTRACTOR FOR PROBE LOCATION PRIOR TO FINAL ROUGH IN. SEE DETAIL 4/EM1 FOR CONDUCTOR TYPE. 12" PROBES ARE OWNER PROVIDED FOR ALL NEW WALK-IN COOLERS AND FREEZERS.
9. EXISTING TEMPERATURE OR DOOR SWITCH. COORDINATE WITH REFRIGERATION CONTACTOR/ DEMO CREW OR WALK IN COOLER INSTALLERS TO REUSE THE SAFE AND REUSE THE DEVICES.
10. (E)VARIABLE SPEED DRIVE TO REMAIN.
11. (E) VARIABLE SPEED DRIVE ENCLOSURE TO REMAIN AND DRIVE TO BE REPLACED.
12. NEW VARIABLE SPEED DRIVE INSTALLED BY EC, CONNECT COM TO PERSPECTIVE CONTROLLER, INSTALL ALL SIGNAL AND NECESSARY WIRING, COORDINATE WITH REFRIGERATION CONTACTOR ON COMMISSIONING THE RACK.
13. INSTALL NEW E2 CONTROLLER IN EXISTING PANEL WITH PROVIDED MOUNTING HARDWARE. MAKE ALL FINAL CONNECTIONS TO CONTROLLER.
14. EMERGENCY SHUT DOWN BUTTON. COORDINATE TERMINATION POINT TO RACK WITH MANUFACTURES INFORMATION.
15. EXISTING IRLDS II TO BE REMOVED.
16. REFRIGERATION DEFROST PANEL.
17. ANTI-SWEAT PANEL. PULL COM CABLE TO CONTROLLER AND PROGRAM THE PANEL.
18. MAKE FINAL CONNECTIONS TO HEAT RECLAIM TANK SENSOR. .
19. NEW CONDENSING UNIT. COORDINATE ROOF PENETRATION WITH ELECTRICAL CONTRACTOR.
20. AMBIENT TEMPERATURE SENSOR. SEE DETAIL 1\EM2 AND DETAIL 9\EM4.
21. EXISTING REFRIGERATION EQUIPMENT TO REMAIN.
22. EXISTING ALARM BOX TO REMAIN
23. EXISTING ALARM PANEL TO BE REPLACED, PROVIDE NEW AT FOD MANAGER DESK. SEE SHEETS EM1 AND EM2.
24. NEW VARIBALE SPEED DRIVE. SEE DETAIL 12/EM4 FOR PARAMATER SETTINGS.

GENERAL NOTES:

1. COORDINATE ALL WORK WITH RELATED TRADES.
2. COORDINATE ALL REFRIGERATION CONTROL WORK WITH REFRIGERATION PLANS & CONTRACTOR. ELECTRICAL CONTRACTOR TO COMPLETE ALL REQUIRED REFRIGERATION ELECTRICAL WORK AS SHOWN ON THE REFRIGERATION POWER PLANS.
3. COORDINATE ALL WORK WITH THE REFRIGERATION CONTRACTOR, KROGER PROJECT MANAGER AND THE KROGER PHASING PLAN/SCHEDULE FOR THIS PROJECT.
4. ELECTRICAL MATERIAL AND INSTALLATION FURNISHED BY THE CONTROLS CONTRACTOR SHALL BE IN ACCORDANCE WITH REFRIGERATION INSTALLATION SPECIFICATIONS OF THIS PROJECT.
5. ALL NEW CASES HAVE FACTORY INSTALLED TEMPERATURE SENSORS, DEFROST TERMINATION KLIXON IN FROZEN FOOD CASES EXCEPT WALK-IN BOXES.
6. SEE FINAL DETAIL AND POWER PLANS FOR CIRCUITS TO BE ROUTED THROUGH THE EMS ANTI-SWEAT SYSTEM.
7. COORDINATE EXACT STUB UP CASE LOCATIONS WITH REFRIGERATION CONTRACTOR AND MANUFACTURE PROVIDED INFORMATION PRIOR TO FINAL ROUGH IN.
8. ALL 120V AND ABOVE ARE NOT PART OF THIS SCOPE. COORDINATE WITH ELECTRICAL CONTACTOR FOR POWER NEEDED.

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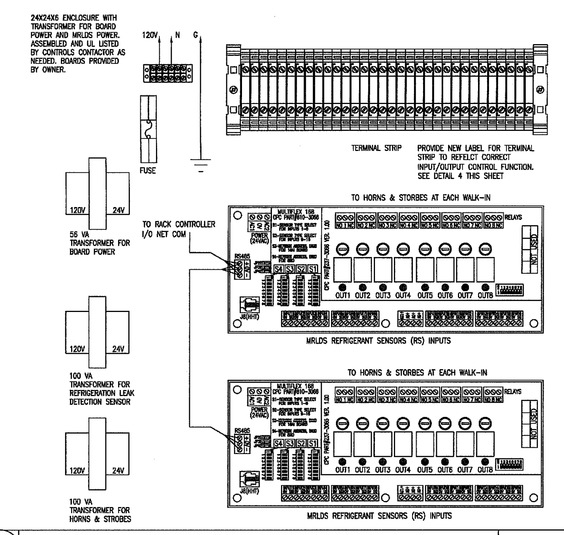
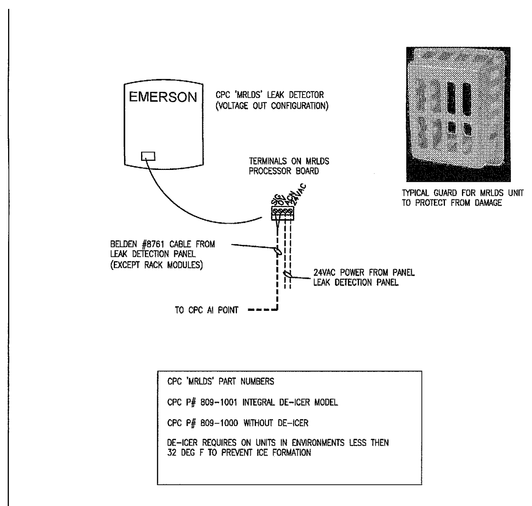
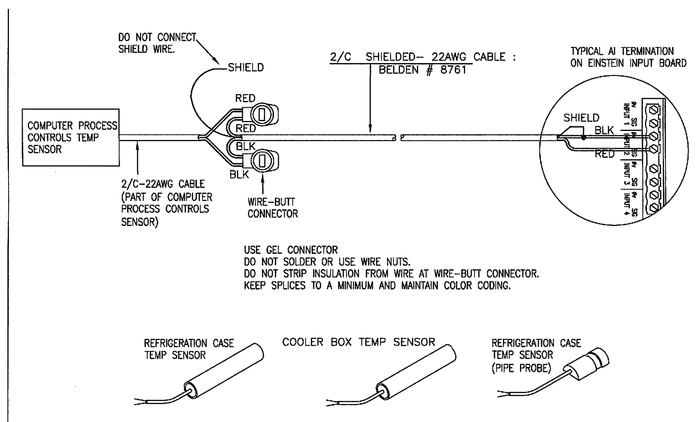


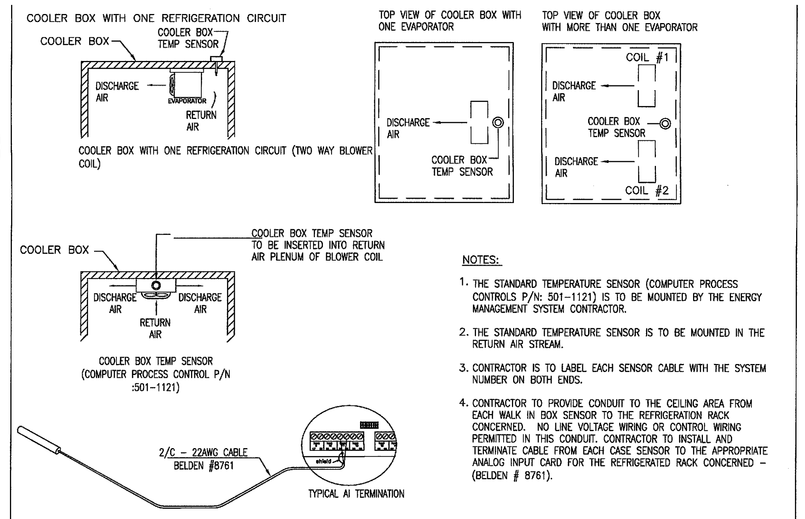
1 LEAK DETECTION CONTROL PANEL — SCALE: NONE



2 MRLDS LEAK DETECTION UNIT — SCALE: NONE



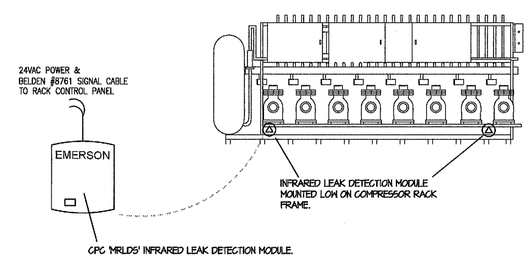
3 E2 CONTROL SYSTEM -- WIRE SPLICING — SCALE: NONE



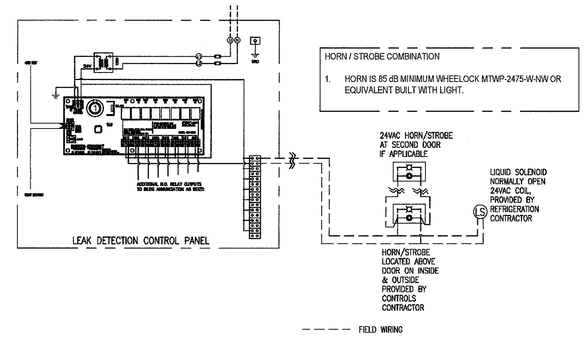
4 E2 CONTROL SYSTEM -- SENSOR INSTALLATION -- COOLER BOX — SCALE: NONE

1	120V	N	C
2	120V		24V
3	120V		24V
4	120V		24V

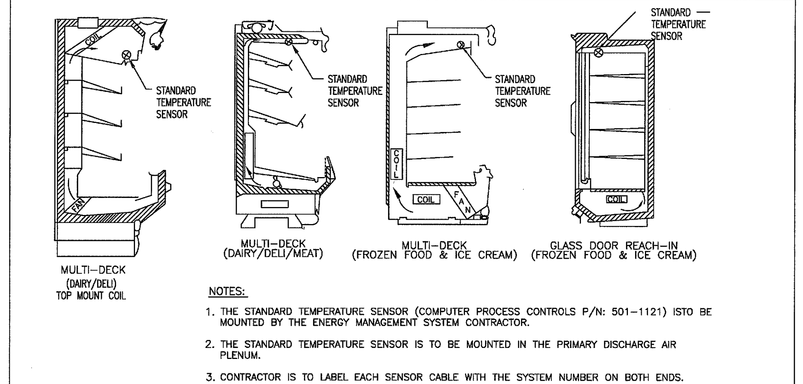
5 I/O LIST FOR LEAK DETECTION CONTROL PANEL — SCALE: NONE



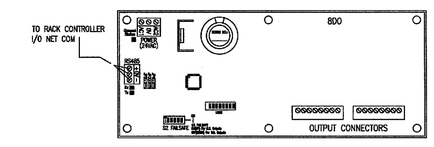
6 LEAK DETECTION UNITS AT MOTOR RM RACKS — SCALE: NONE



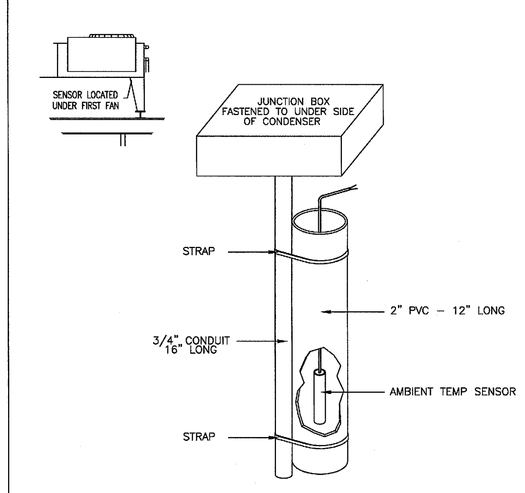
7 REFRIGERATION LEAK DETECTION ALARMS AT WALK-INS — SCALE: NONE



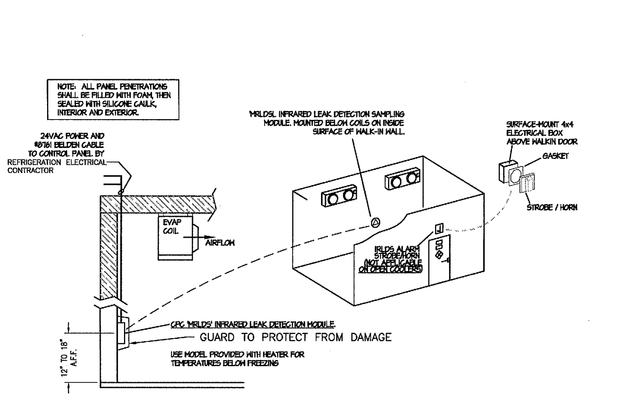
8 E2 CONTROL SYSTEM -- CASE SENSOR LOCATIONS (MULTI-DECK) — SCALE: NONE



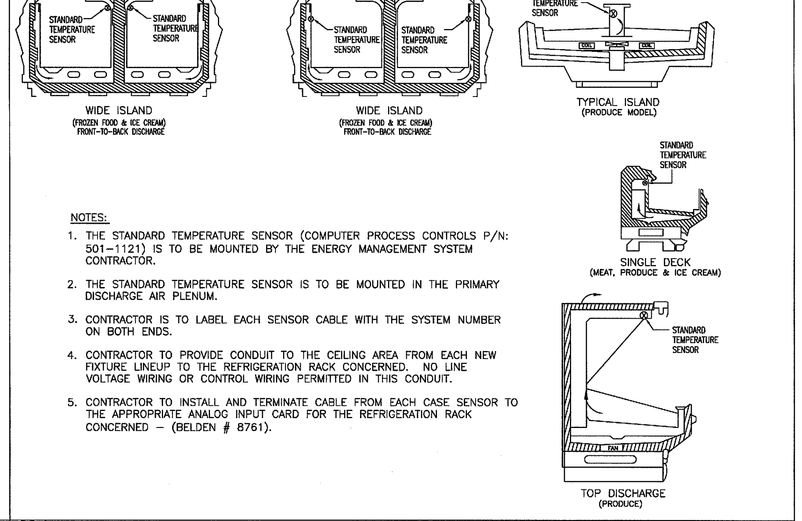
9 ANTI-SWEAT (PMAC II-28 CHANNEL) CONTROL BOARD — SCALE: NONE



10 AMBIENT TEMPERATURE SENSOR DETAIL — SCALE: NONE



11 REFRIGERATION LEAK DETECTION ALARMS WALK-IN DETAILS — SCALE: NONE



12 E2 CONTROL SYSTEM – CASE SENSOR LOCATIONS (SINGLE-DECK) — SCALE: NONE

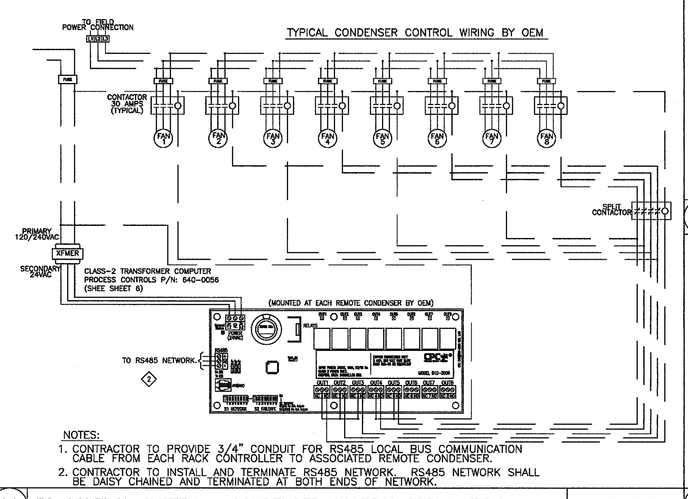
PARAMETER SETTINGS
UNIDRIVE

PARAM	DISCRIPTION	VALUE
0.01	MINIMUM SPEED (HZ)	15.0
0.02	MAXIMUM SPEED (HZ)	60.0
0.03	ACCELERATION RATE (5/100HZ)	5.0
0.04	DECELERATION RATE (5/100HZ)	10.0
0.07	VOLTAGE MODE SELECT	2
0.08	LOW FREQUENCY VOLTAGE BOOST	0.5
0.09	VARIABLE V/F SELECT	OFF
0.15	RAMP MODE	STD.HV
0.43	MOTOR POWER FACTOR	0.85
0.44	MOTOR RATED VOLTAGE (V)	240
0.45	MOTOR RATED SPEED (RPM)	0
0.47	RATED FREQUENCY	60

PARAMETER SETTINGS
COMMANDER SE

PARAM	DISCRIPTION	VALUE
01	MINIMUM SPEED (HZ)	15.0
02	MAXIMUM SPEED (HZ)	60.0
03	ACCELERATION RATE (5/100HZ)	5.0
04	DECELERATION RATE 5/100HZ)	10.0
07	MOTOR RATED SPEED (RPM)	0
08	MOTOR RATED VOLTAGE (V)	480
09	MOTOR POWER FACTOR	0.85
30	RAMP MODE	2
32	VARIABLE V/F SELECT	0
48	VOLTAGE MODE SELECT	2
49	LOW FREQUENCY VOLTAGE BOOST	0.5

13 VSD PARAMETER SETTINGS — SCALE: NONE

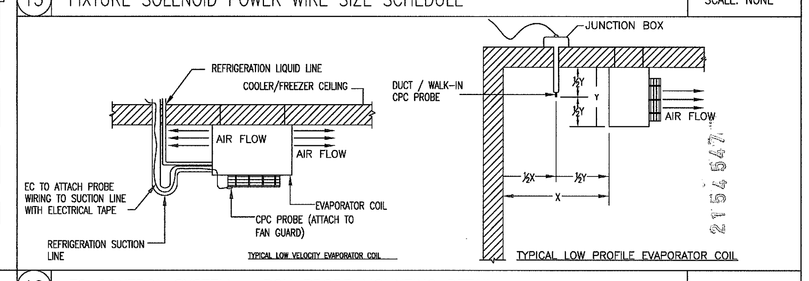


14 E2 CONTROL SYSTEM – CONDENSER CONTROL TERMINATION — SCALE: NONE

VOLTAGE	DISTANCE < 300'-0"	DISTANCE > 300'-0"
208 VOLT / SINGLE PHASE	2 #12 - 1/2"C	2 #12 - 1/2"C
120 VOLT / SINGLE PHASE	2 #12 - 1/2"C	2 #12 - 1/2"C
24 VOLT / SINGLE PHASE	2 #12 - 1/2"C	2 #10 - 1/2"C

NOTES:
WIRE SIZE SHOWN FOR SOLENOID AMPERAGE OF LESS THAN (1) AMP

15 FIXTURE SOLENOID POWER WIRE SIZE SCHEDULE — SCALE: NONE



16 E2 CONTROL SYSTEM – BOX PROBE MOUNTING DETAIL — SCALE: NONE

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SHEET TITLE:

ENERGY MANAGEMENT REFRIGERATION DETAILS

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1 RACK A CONTROL POINTS — SCALE: NONE

2 RACK B CONTROL POINTS — SCALE: NONE

3 EMS CONTROL POINTS — SCALE: NONE

4 RACK C CONTROL POINTS — SCALE: NONE

5 RACK D CONTROL POINTS — SCALE: NONE

6 RACK E CONTROL POINTS — SCALE: NONE

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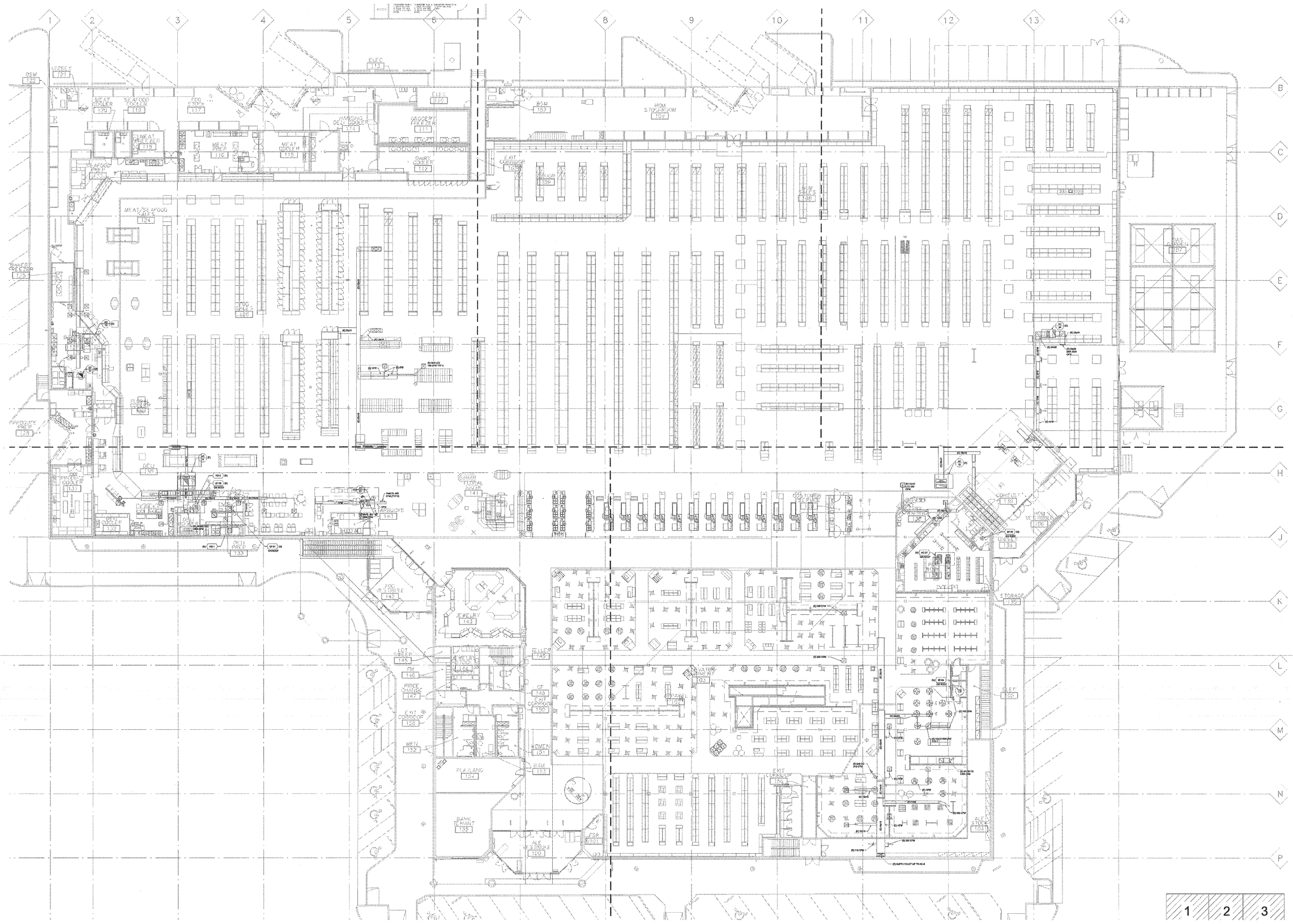

KEY NOTES:

1. NEW AC UNIT WIRED WITH FACTORY INSTALLED CPC CONTROL BOARD. EMS CONTRACTOR TO COORDINATE WORK WITH OTHER TRADES AND MAKE ALL CONTROL CONNECTIONS AS REQUIRED. EMS-C TO COORDINATE ALL ROOFTOP PENETRATIONS WITH EC.
2. NEW THERMOSTAT/SENSOR FOR AC UNIT, INSTALLED BY CONTROLS CONTRACTOR.
3. (E) CPC CONTROL BOARD TO BE REPLACED. REPLACE AS REQUIRED. NEW BOARD SUPPLIED BY KROGER PROJECT MANAGER.
4. EXITING CPC CONTROL BOARD TO REMAIN, PROVIDE AND INSTALL WEATHER PROOF ENCLOSURE, RELOCATED THE BOARD FROM FAN COMPARTMENT TO THE ENCLOSURE
5. LIGHTING CONTACTOR ENCLOSURE, INSTALL AND MODIFY CONTACTORS AS SHOWN ON THE PLANS, SEE EM7 PLANS FOR DETAILS TERMINATION OF ALL LOW VOLTAGE WIRING COORDINATE WITH ELECTRICAL CONTACTOR.
6.
7. NEW SMOKE DUCT DETECTOR PROVIDED, WIRED AND TESTED BY CONTROLS CONTRACTOR RETURN DUCT. SEE GENERAL NOTE 6.
8. EXITING SMOKE DUCT DETECTOR TO REMAIN, TEST IT OPERATION AND CONNECTION, SEE GENERAL NOTE 6.
9. INPUT/OUTPUT TO BX CONTROLLER.
10. EXISTING CONTACTOR ENCLOSURE MAKE ALL MODIFICATIONS AS SHOWN ON EM7 PLANS FOR SCHEDULES.
11. EXHAUST FAN TO BE INTERLOCKED WITH AC UNIT(S). SEE M6.1.1 FOR SCHEDULE. PROVIDE CT FOR FAN STATUS TO CONTROL SYSTEM AND PROGRAM TO INTERLOCK AC UNITS AS SHOWN ON M6.1.1
12. PUSH BUTTON FOR LIGHTING OVERRIDE, PULL SEPARATE WIRES FOR PUSH BUTTON TO AC UNIT BOARD OR EMS PANEL.
13. BUILDING CONTROLLER. MODIFY EXISTING PANEL AND ADD ALL NECESSARY I/O BOARDS AS SHOWN ON THE PRINTS PER DETAIL EM8.
14. 12"x12"x6" JUNCTION BOX IN BETWEEN GUTTER AND BX PANEL/PROVIDE APPROPRIATELY SIZED CWASE NIPPLES TO BX PANEL AND GUTTER (2). EMS-C TO INSTALL NEW TERMINAL STRIP IN JUNCTION BOX, EMS-C TO LAND ALL LIGHTING LOW VOLTAGE WIRES WIRES AS NECESSARY AND DEMO ALL UNUSED.
15. REMOTE BUILDING CONTROL PANEL. PROVIDE NEW ENCLOSURE TO HOUSE TWO BOARDS. RELOCATE EXISTING RELAY BOARD INTO NEW PANEL. WITH PROVIDED 8DIM' BOARD. EXTEND ALL POWER AND NETWORK CONNECTIONS AS REQUIRED.
16. EXISTING TEMPERATURE SENSOR AND RELATIVE HUMIDITY SENSOR.
17. TEMPERATURE SENSOR WITH SLIDE BAR OVERRIDE. MOUNT AT 4'-6".
18. HAM CLAZING EXHAUST FAN, INSTALL CT TO MONITOR STATUS OF FAN AND INTERLOCK AC UNIT THAT IS LISTED ON M6.1.1 FOR THIS FAN. PROGRAM THE CONTROLLER TO BRING AC UNIT ON WHEN FAN IS ON
19. INSTALL NEW COM CABLE BETWEEN UNITS TO MAINTAIN DAISY CHAIN FORMAT.
20. SKYLIGHT LIGHT LEVEL SENSOR. SEE DETAILS ON EM8. ROUTE TO BX PANEL.
21. EXISTING CONTROL CONDUCTOR TO REMAIN.
22. CO2 SENSOR, PULL WIRES TO EMS PANEL AS REQUIRED, INSTALL AND VERIFY OPERATION.
23. AMBIENT TEMPERATURE SENSORS, PULL WIRES TO EMS PANEL AS REQUIRED AND VERIFY OPERATION.
24. OUTDOOR LIGHT LEVEL SENSOR, PULL WIRES TO EMS PANEL AND VERIFY OPERATION.
25. BUILDING PRESSURE TRANSDUCER, PROVIDE AND INSTALL TRANSDUCER THAT MEASURES BUILDING PRESSURE IN INW, CONNECT TO BUILDING CONTROLLER INPUT POINT. USE DEVICE THAT IS COMPATIBLE WITH CONTROL SYSTEM.
26. EXISTING PROGRAMMABLE THERMOSTAT TO REMAIN.
27. MASTER LIGHTING OVERRIDE PUSH BUTTON, USE THE BUILT IN PUSH BUTTON WITH ZONE SENSOR AND PULL SEPARATE WIRE FOR THE BUTTON TO EMS PANEL.
28. CONTROL EACH UNIT HEATER SEPARATE, PULL TEMPERATURE SENSOR WIRE AND CONTROL WIRE TO EMS PANEL INPUT/OUPUT BOARD. INSTALL 24V RELAY AT UNIT HEATER AND CONTROL FROM EMS PANEL.

GENERAL NOTES:

1. COORDINATE ALL ROOF PENETRATIONS WITH EC. ALL ROOF TOP PENETRATIONS TO BE BY ELECTRICAL CONTRACTOR.
2. CONTRACTOR TO PROVIDE CONDUCTORS AND INSTALL ANY NEW HVAC SENSORS TO CPC BOARDS AS INDICATED.
3. CONTRACTOR TO COORDINATE HVAC INTERLOCK MODIFICATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
4. SEE SHEET EM8 FOR ALL NEW OR REPLACED TEMPERATURE SENSORS.
5. CONTRACTOR TO COORDINATE WORK WITH RELATED TRADES.
6. DUCT SMOKE DETECTORS WILL BE MONITORED BY THE CONTROLS SYSTEM VIA INPUT BOARD OR RTU/RCB INPUT POINT. UNIT SHALL TURN OFF WHEN DETECTOR IS TRIPPED. SEE DETAILS EM8
7. EMS-C TO ACQUIRE (E)CPC BOARDS FROM DEMO'D RTU'S AND RETURN TO OWNER IN ANTI-STATIC MATERIAL.
8. EMS-C TO DISCONNECT AND REMOVE ALL CONTROL CONDUCTORS ASSOCIATED WITH DEMOTED HVAC EQUIPMENT. SEE MECHANICAL SCHEDULES FOR A LIST OF REMOVED UNITS.
9. EMS-C RESPONSIBLE FOR THE DISCONNECT AND REMOVAL OF LOW VOLTAGE ITEMS INDICATED AS DEMOTED OR TO BE BE REMOVED.
10. EMS-C RESPONSIBLE TO PROVIDE LABEL ON EACH TEMPERATURE SENSOR INDICATING THE AC UNIT IT SERVES.
11. ALL ZONE SENSORS ARE OWNER PROVIDED AND HAVE BUILT IN PUSH BUTTON, USE BUTTON WHERE INDICATED ON THE DRAWINGS.

1 LIGHTING AND HVAC OVERALL PLAN — SCALE: 1" = 20'

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SHEET TITLE:
ENERGY MANAGEMENT LIGHTING/HVAC PLAN

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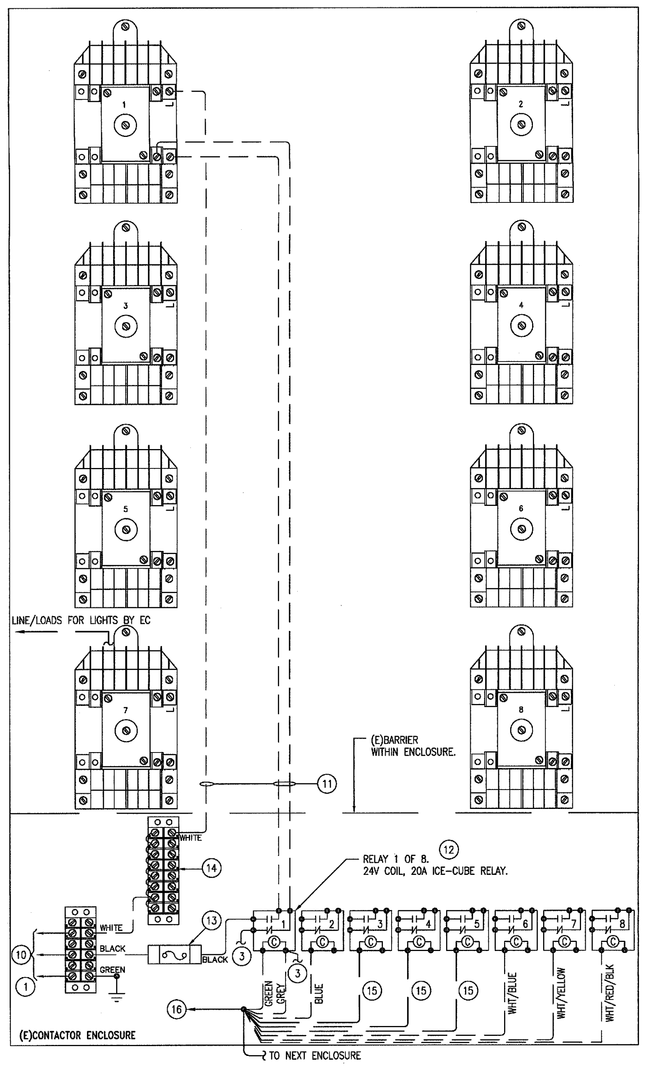

GENERAL NOTES:

1. LIGHTING CONTACTOR ARE SIEMENS CLMXX2031. XX IS NUMBER OF POLES PER CONTACTOR. THE CONTACTORS ARE MECHANICALLY HELD ELECTRICALLY CONTROLLED WITH 120V COIL. PROVIDED BY CONTROLS CONTRACTOR.
2. NEW LIGHTING CONTACTOR ENCLOSURES ARE ASSEMBLED, UL LISTED by CONTROLS CONTRACTOR AND DELIVERED TO THE ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR TO INSTALL OR REPLACE LIGHTING CONTACTOR OR ENCLOSURES PER SCHEDULE.
4. THE LIGHTING CONTACTOR LAYOUT ABOVE IS A SAMPLE OF HOW LIGHTING CONTACTORS SHOULD BE INSTALLED IN CONTACTOR ENCLOSURES. LIGHTING CONTACTORS SHOULD MATCH THIS LAYOUT AT ALL TIMES.
5. USE 24VAC RELAYS TO CONTROL EACH LIGHTING CONTACTOR INDIVIDUALLY WITH OWN FUNCTION. WIRE CONTACTOR IN SUCH THAT IF RELAY IS DE-ENERGIZED CONTACTOR IS CLOSED.
6. NORMALLY CLOSED CONTACTORS ARE USED FOR ALL CONTACTORS THAT CONTROLLING STANDBY GENERATOR FED CIRCUITS AS NOTED ON CONTACTOR SCHEDULE
7. ALL 120V AND 277 CIRCUITS ARE ROUTED TO THE LIGHTING CONTACTORS BY THE ELECTRICAL CONTRACTOR.
8. CONTROLS CONTRACTOR TO PULL AND TERMINATE LOW VOLTAGE (24V) CONTROL WIRE FROM LIGHTING CONTACTOR TO THE EMS PANEL. BASED ON THE FUNCTION OF EACH CONTACTOR.
9. EMS-C TO REMOVE ALL UN-USED CONDUCTORS AND LIGHTING CONTACTORS
10. EMS-C TO PROVIDE AS BUILD LIGHTING CONTACTORS SCHEDULE MOUNTED ON THE INSIDE COVER OF THE PANEL DOOR OR OUTSIDE THE ENCLOSURE.
11. REPLACE = REPLACE EXISTING CONTACTOR WITH NEW SIZE CONTACTOR AS SHOWN ON THE SCHEDULE AND DISREGARD EXISTING CONTACTOR
12. NEW = PROVIDE AND INSTALL NEW CONTACTOR.
13. REMOVE = REMOVE AND DISREGARD EXISTING CONTACTOR

LEGEND

- LIGHT/DASHED = EXISTING
- DARK/DASHED = NEW WIRING
- DARK/SOLID = NEW ITEM

CONTACTOR ENCLOSURES KEY NOTES:

1. 120V CIRCUIT BY EC.
2. MOUNTED FUSE HOLDER WITH 16A FUSE.
3. CONTINUE TO EACH REALY AS INDICATED ON RELAY 1.
4. PROVIDE LABLE INDICATING RELAY NUMBER TO MATCH CONTACTOR NUMBER FOR CLARITY.
5. ROUTE INDICATED CONDUCTORS FROM RELAY TO CONTACTOR AS SHOWN. TYPICAL OF ALL CONTACTORS IN PANEL. ROUTE CONDUCTORS IN 1"X1" DIN RAIL.
6. NEUTRAL BUSS. PROVIDE POSITION TO MATCH CONTACTOR QUANITY.
7. PROVIDE NEW CONTACTORS TO ELECTRICAL CONTACTOR WHERE NOTED ON THE LIGHTING CONTACTOR SCHEDULE WITH REPLACE OR NEW.
8. NEW CONTACTOR. SEE SCHEDULE ON THIS SHEET FOR POLE COUNT. EMS-C TO PROVIDE LTC FUNCTION VIA RELAY. EC TO MAKE ALL REQUIRED CONNECTIONS.
9. GROUND FROM BACK PLATE TO CABINET AND DOOR.
10. 120V CONTROL CIRCUIT BY ELECTRICAL.
11. CONTACTOR CONTROL CONDUCTORS. SHOWN AS TYPICAL REFERENCE FROM EACH RELAY.
12. ADD NEW 24V RELAYS WHERE NEEDED FOR EACH NEW CONTACTOR. TEST RELAY FOR PROPER FUNCTION. REPLACE WITH NEW IF RELAY DOES NOT OPERATE.
13. INSTALL IN LINE FUSE HOLDER.
14. NEUTRAL BUSS.
15. MODIFY CONTROL CONDUCTOR TO MATCH NEW LIGHTING FUNCTION DESCRIBED IN THE SCHEDULE.
16. MATCH EACH LOW VOLTAGE FUNCTION AT THE EMS PANEL TERMINAL STRIP AND OUTPUT POINT.

Lighting Controls Schedule

Schedules	Contactor Control	ON	OFF	ON	OFF	Notes
General Merchandize 25%: Sky						
HOM NORMAL 25% LIGHTS	[HOM 25%]	6:00	23:00			HOM Override PUSH button controlled, See below.
HOM SKYLIGHT AREA 25% LIGHTS	[HOM SKY 25%]	6:00	23:00			Interior light OFF with level sensor and override button ON control
General Merchandize 50%:						
HOM AREA 50% (DÉCOR / INTERIOR SIGN LIGHTING)	[HOM 50%]	6:55	23:15			Display light, 4 lamps in F bay fixture lights and any other ligting in HOM
HOM SKYLIGHT AREA 50% LIGHTS	[HOM SKY 50%]	6:55	23:15			Interior light OFF with level sensor and override button ON control
Food Merchandize 25%						
FOOD NORMAL AREA 25% LIGHTS	[FOD 25%]	6:00	23:00			Override button controlled, See below.
FOOD SKYLIGHT AREA 25% LIGHTS	[FOD SKY 25%]	6:00	23:00			Interior light OFF with level sensor and override button ON control
Food Merchandize 50%						
FOOD AREA 50% (DÉCOR / INTERIOR SIGN LIGHTING)	[FOD 50%]	6:55	23:15			
FOOD SKYLIGHT AREA 50% LIGHTS	[FOD SKY 50%]	6:55	23:15			Interior photocell OFF for daylight harvesting
ALE Merchandize 25%						
ALE AREA 25% LIGHTS	[ALE 25%]	6:00	23:00			Override button controller, TWO lights in F-bay fixutre with 6 lamps, or three
ALE Merchandize 50%						
ALE AREA 50% LIGHTS	[ALE 50%]	7:00	23:15			four lights in F-bay fixture if 6 lamps, and all other décor lights in ALE
Standby Lighting (SL)						
FOD/HOM AREA SKY SL	[FOD SKY SL]	7:00	23:15			25% SL circuits interior light level sensor OFF for 2 BULBS
FOD/HOM AREA SL	[HOM SKY SL]	7:00	23:15			NO CONTROL
ALE AREA SL	[ALE SL]	7:00	23:15			ALE 25% circuits of SL lights, o with button override
OAS GARDEN AREA SL	[GARDEN SL]	7:00	23:15			Exterior photocell/schedule ON and evernide button ON control
PHOTO, ELECTRONICS, MUSIC (PEM) SL	[PEM SL]	6:00	23:00			
PRX SL	[PRX SL]	8:00	22:00			
SERVICE MEAT/BAKERY/DELI	[SVC DEPT]	4:00	23:00			Override button controlled to turn back ON for 2 hrs
PHOTO, ELECTRONICS, MUSIC (PEM)	[PEM 50%]	6:00	23:15			Override button controlled to turn back ON for 2 hrs
JEWELRY	[JEWELRY]	8:00	22:00			Override button controlled to turn back ON for 2 hrs
COFFEE	[COFFEE]	6:00	21:00			VERIFY TIME WITH KPM.
PHARMACY-PLAYLAND	[PRX-PLAYLD]	8:00	22:00			Override button controlled
SL LIGHTS IN PHARMACY PRX SL	[PRX SL]	8:00	22:00			Override button controlled
HEAT (Where Applicable)						
Heat Tape for Artic Regions	[HEAT TAPE]	Temp.	Temp.			Controlled by Outdoor Temperature Sensor
Block Heaters for site **(Alaska ONLY)**	[HEAT TAPE]	Temp.	Temp.			Controlled by Outdoor Temperature Sensor
Heat Radiant for Entry's **(Alaska Only)**	[RAD HEAT]	Temp.	Temp.			Controlled by Entry Indoor Temperature Sensor
Exterior Light Level Senor Control: Light Level ON/OFF						
PARKING LOT	[PARKING]	16:00	0:00	5:00	8:00	Exterior photocell control. Depending on area hrs can be changed
EXTERIOR SIGNAGE & PYLON	[SIGNS]	7:00	23:00			Exterior photocell control, with store hours
VESTIBULE AMBIENT	[VESTIBULE]	6:00	23:30			Entry way vestbule with exterior photocell control
WALL BACK BLDG AND EMPLOYEE PARKING SECURITY	[SECURITY]					Exterior photocell control, no schedule
GARDEN OAS LIGHTS	[GARDEN]	7:00	23:15			Override button controlled,
Motion Sensor Control: Provided and installed by others. Reference Only.						
STOCK ROOMS						
FROZEN FOOD ISLS REFRIGERATED CASES	[REFER_CS]	7:00	23:15			Override button controlled,

Momentary Button Location	Description	Schedule	Notes
DIRECTORS OFFICE	MASTER "ALL ON"	4 hrs.	All lights on.
FOD STOCK ENTRY & MAIN SALES FLOOR	FOD 25%/FOD SKY 25% LT OVERRIDE	2 hrs.	See overall plan for exact location
HOM STOCK ENTRY & MAIN SALES FLOOR	HOM 25%/HOM SKY 25% LT OVERRIDE	2 hrs.	See overall plan for exact location
ALE STOCK ENTRY & MAIN SALES FLOOR	ALE 25% LT OVERRIDE	2 hrs.	See overall plan for exact location
PEM STOCK ENTRY OR MAIN SALES FLOOR	PEM LT OVERRIDE	2 hrs.	See overall plan for exact location
OAS ENTRY AREA IN SALES FLOOR	GARDEN OVERRIDE	2 hrs.	See overall plan for exact location
PRX AREA IN CONSULT ROOM OR SPACE SENSOR	PRX OVERRIDE	2 hrs.	See overall plan for exact location
JEWELRY AREA SALES FLOOR	JLY OVERRIDE	2 hrs.	See overall plan for exact location
SERVICE DEPARTMENT AREA	SVC DEPT LT OVERRIDE	2 hrs.	See overall plan for exact location
REFRIGERATED CASES	REFER_CS LT OVERRIDE	2 hrs.	See overall plan for exact location

1 LIGHTING CONTACTOR SCHEDULES — SCALE: NONE

2 LIGHTING CONTROLS SCHEDULE — SCALE: NONE

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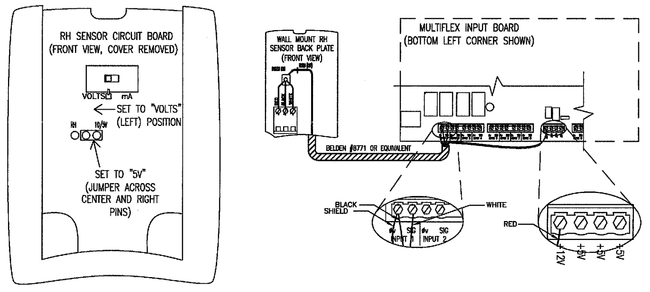
NOTES:

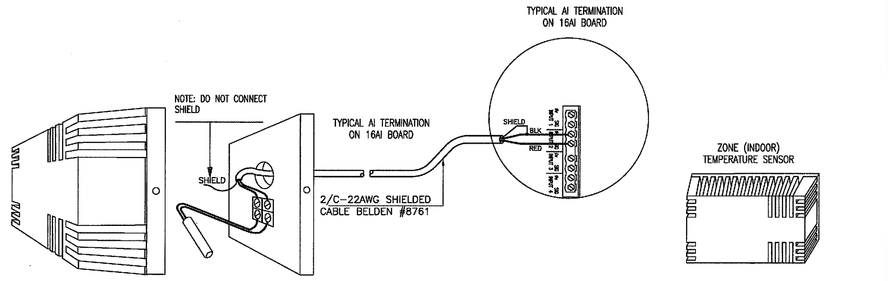
1. CONTRACTOR TO MOUNT RH SENSOR MODULE. CONTRACTOR TO INSTALL AND TERMINATE CABLE FOR RH SENSOR MODULE.
2. SENSOR MODULE TO BE MOUNTED AS SHOWN – TERMINAL STRIP UP.
3. MOUNT AT A LOCATION THAT WILL ACCURATELY REPRESENT THE AREA TO BE CONTROLLED.
4. AVOID DRAFTS FROM HVAC REGISTERS/GRILLES, DOOR OPENINGS, AND LOW TEMPERATURE REFRIGERATION. WATCH OUT FOR HEAT FROM LIGHTING/BALLASTS IN SHELVING CANOPIES OR MULTIDECK REFRIGERATED FIXTURES. DO NOT MOUNT DIRECTLY ABOVE OTHER SENSING DEVICES THAT MAY GENERATE HEAT AS THIS COULD PRODUCE INCORRECT READINGS.
5. MOUNT AT 7'-6" ABOVE FINISHED FLOOR ON A COLUMN THAT WILL GIVE TRUE AMBIENT MEASUREMENT FOR THE AREA SERVED.
6. DO NOT USE THE LOCATION OF AN EXISTING T'STAT AS A GUIDE, AS IT MAY NOT BE IN A GOOD LOCATION.
7. KEEP SPLICES TO A MINIMUM AND ALWAYS MAINTAIN COLOR CODING.
8. CABLES SHOULD BE PERMANENTLY NUMBERED AT BOTH ENDS WITH STANDARD NUMBERED WIRE MARKERS.
9. CABLES MAY BE RUN EXPOSED (CODE PERMITTING) WHERE THEY WILL NOT BE SUBJECT TO DAMAGE. USE CONDUIT WHERE DAMAGE MAY OCCUR.
10. DO NOT RUN SENSOR WIRING WITHIN CONDUIT CONTAINING LINE VOLTAGE OR CONTROL WIRING



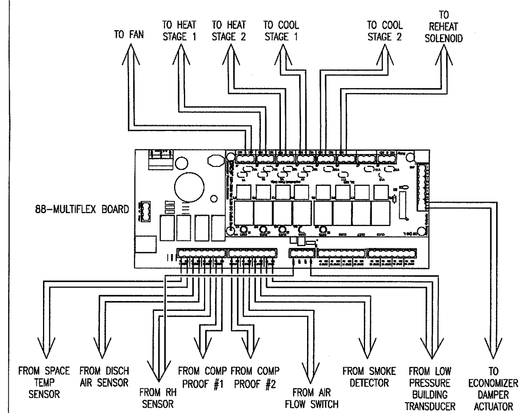
1 RELATIVE HUMIDITY SENSOR TERMINATION — SCALE: NONE

NOTES:

1. EMERSON RETAIL TECHNOLOGIES TO SPECIFY LOCATION OF ZONE TEMPERATURE SENSOR.
2. CONTRACTOR TO PROVIDE AND MOUNT HANDY BOX FOR ZONE TEMPERATURE SENSOR AND TO PROVIDE ANY NECESSARY 1/2" CONDUIT FROM ARTC BOARD AT ROOFTOP UNIT TO IT'S ZONE TEMPERATURE SENSOR FOR THE AREA WHICH IT SERVES.
3. CONTRACTOR TO SUPPLY AND MOUNT ZONE TEMPERATURE SENSOR ON HANDY BOX AND TERMINATE CABLE AT ZONE TEMPERATURE SENSOR AND AT ARTC BOARD.
4. MOUNT AT A LOCATION THAT WILL ACCURATELY REPRESENT THE AREA TO BE CONTROLLED, SEE ESD-46, AVOID DRAFTS FROM HVAC REGISTERS/GRILLES, DOOR OPENINGS AND LOW TEMPERATURE REFRIGERATION. WATCH OUT FOR HEAT FROM LIGHTING/BALLASTS IN SHELVING CANOPIES OR MULTIDECK REFRIGERATED FIXTURES. DO NOT MOUNT DIRECTLY ABOVE OTHER SENSING DEVICES THAT MAY GENERATE HEAT AS THIS COULD PRODUCE INCORRECT READINGS.
5. MOUNT 7'-6" A.F.F. ON A COLUMN THAT WILL GIVE TRUE AMBIENT TEMPERATURE MEASUREMENT FOR THE AREA SERVED.
6. DO NOT USE THE LOCATION OF AN EXISTING THERMOSTAT AS A GUIDE, AS IT MAY NOT BE IN A GOOD LOCATION.
7. DO NOT SOLDER OR USE WIRE NUTS FOR JOINTS/SLICES. USE BUTT CONNECTOR (PN: UR2) FOR SPLICES.
8. KEEP SPLICES TO A MINIMUM AND ALWAYS MAINTAIN COLOR CODING.
9. CABLES SHOULD BE PERMANENTLY NUMBERED AT BOTH ENDS WITH STANDARD NUMBERED WIRE MARKERS BY ELECTRICAL CONTRACTOR.
10. CABLES MAY BE RUN EXPOSED (CODE PERMITTING) WHERE THEY WILL NOT BE SUBJECT TO DAMAGE, USE CONDUIT WHERE DAMAGE MAY OCCUR.
11. DO NOT RUN ANALOG SENSOR WIRING WITHIN CONDUIT CONTAINING LINE VOLTAGE OR CONTROL WIRING.



2 E2 CONTROL SYSTEM -- SPACE TEMPERATURE SENSOR TERMINATION — SCALE: NONE



3 TYPICAL MULTIFLEX BOARD-88A0 BOARD — SCALE: NONE

MAIN EMS PANEL

ALL EMS BOARDS ARE EXISTING

16I- BOARD	
BOARD #	1
INPUT	DESCRIPTION
1	FOOD PUSH BUTTON
2	OUTDOOR LIGHT LEVEL
3	OUTDOOR AIR TEMP
4	ALE PUSH BUTTON
5	DSR PUSH BUTTON
6	FOOD CO2
7	OUTDOOR CO2
8	HAM CO2
9	BAKE KWH
10	STARBUCKS A KWH
11	STARBUCKS B KWH
12	WARM MASTER KWH
13	NAIL SALON KWH
14	FOOD PUSH BUTTON 63
15	
16	HAM PUSH BUTTON
RELAY	3
1	FOOD 25% SKYLIGHTS
2	GMD 25% SKYLIGHTS
3	FOOD 50% SKYLIGHTS
4	GMD 50% SKYLIGHTS
5	FOOD SL
6	ALE SL
7	SKYTYD SIGNSL
8	GARDEN SL

16I- BOARD	
BOARD #	2
INPUT	DESCRIPTION
1	UNI-1 HOM STOCK
2	UNI-2 HOM STOCK
3	UNI-3 FOOD STOCK
4	UNI-4 FOOD RECEIVING
5	UNI-5 HOM STOCK
6	
7	
8	
9	SKYLIGHT LVL
10	
11	
12	
13	
14	
15	
16	
RELAY	4
1	PHOTO SL
2	PRO SL
3	GMD SL
4	
5	UNI-1 CONTROL
6	UNI-2 CONTROL
7	UNI-3 CONTROL
8	UNI-4 CONTROL

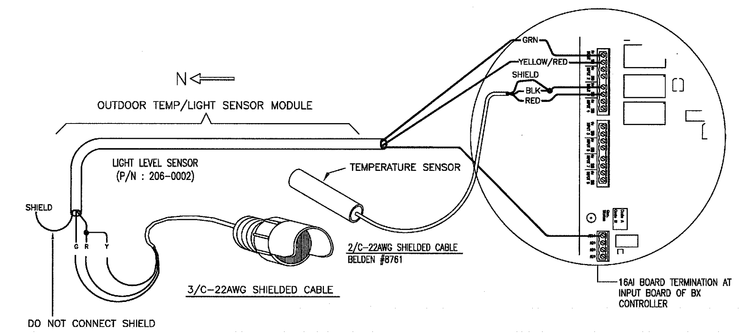
HSO BOARD	
BOARD #	1
	DESCRIPTION
1	FOOD 25%
2	ALE 25%
3	HOM 25%
4	FOOD 50%
5	ALE 50%
6	HOM 50%
7	BURGLING
8	TM SIGNS

HSO BOARD	
BOARD #	2
	DESCRIPTION
1	REFER CASES
2	JEWELRY LIGHTS
3	PERIPHERAL AND LIGHTS
4	SECURITY LIGHTS
5	VESTIBULE ENTRYS
6	SERVICE DEPTS
7	OUTDOOR GARDEN LIGHTS
8	PHOTO ELECTRONICS

HSO BOARD	
BOARD #	3
1	
2	
3	
4	
5	
6	
7	
8	FIRE ALRM PANEL

4 BX EMS CONTROL POINTS — SCALE: NONE

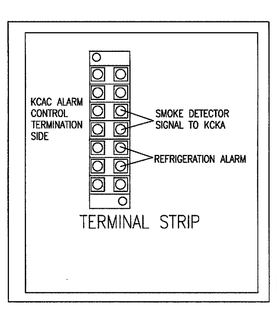
5 RESERVED — SCALE: NONE



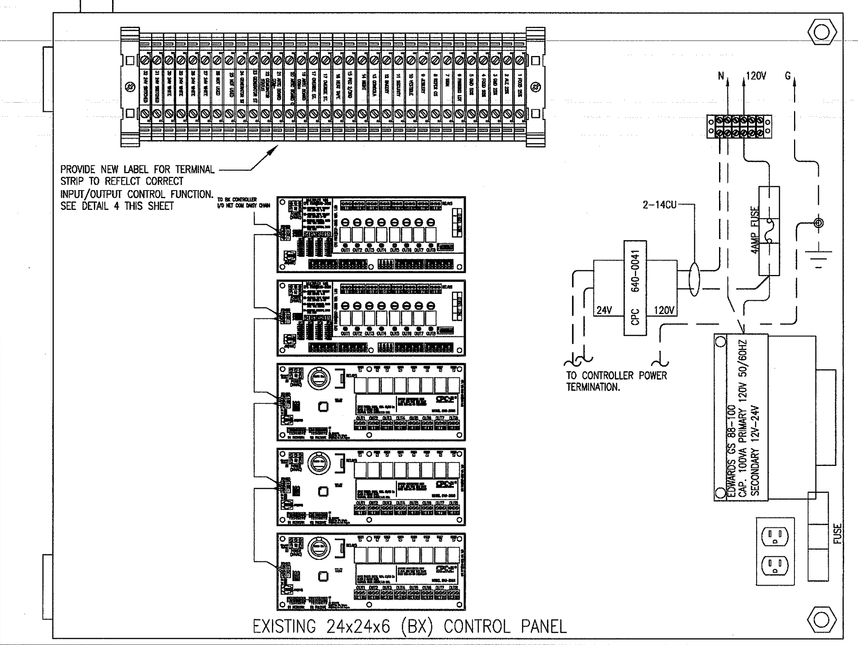
6 LIGHT SENSOR/OUTDOOR TEMP SENSOR WIRING — SCALE: NONE

NOTES:

1. SMOKE DETECTOR SIGNAL FROM BRO POINT ENERGIZED WHEN ANY THE AC DUCT SMOKE DETECTOR IS TRIPPED PROGRAM EMS CONTROLLER TO DO AS SUCH.
2. MOUNT THIS BOX BY THE EMS PANEL WITH TERMINAL STRIP AS SHOWN AND COORDINATE WITH ALARMS INSTALLER FOR TERMINATIONS. TEST AND VERIFY OPERATION.
3. REFRIGERATION ALARM SIGNAL FROM THE REFRIGERATION ALARM PANEL IN THE FOOD STOCKROOM, WHEN THE ALARM PANEL IS ENERGIZED A SIGNAL TO KCAC IS INITIATED.

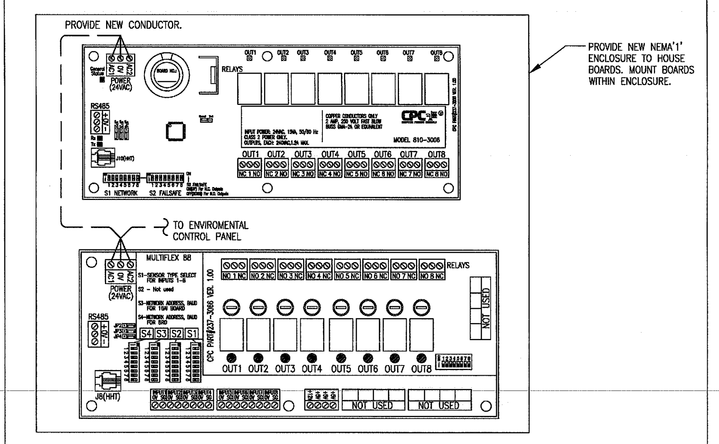


EXISTING 12x12x6 ALARM TERMINATION BOX

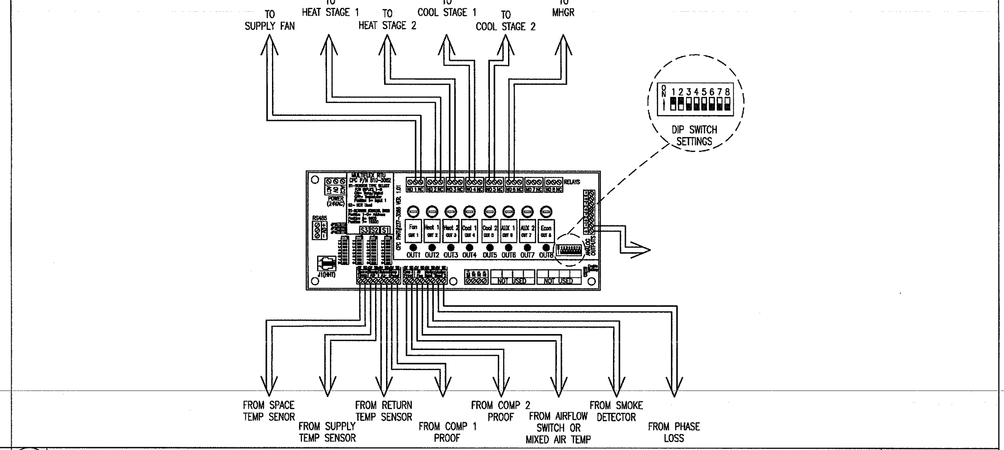


EXISTING 24x24x6 (BX) CONTROL PANEL

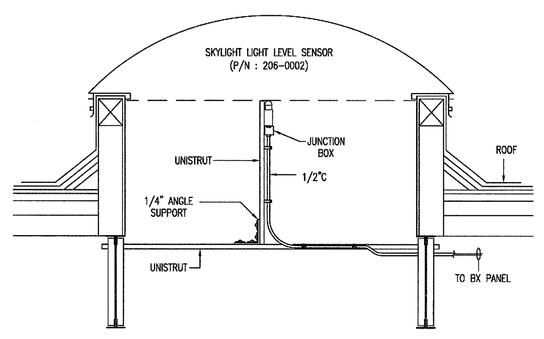
7 MODIFIED ENVIRONMENTAL (BX) CONTROL PANEL — SCALE: NONE



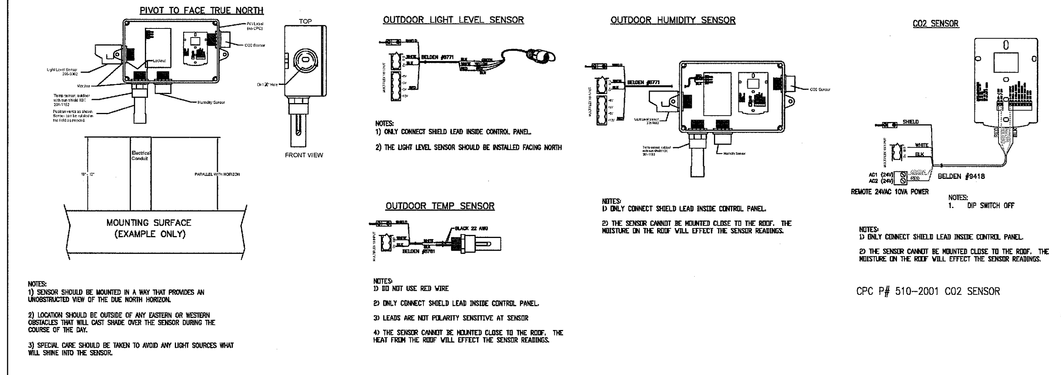
8 MODIFIED REMOTE ENVIRONMENTAL (BX) CONTROL PANEL — SCALE: NONE



9 TYPICAL MULTIFLEX RTU BOARD — SCALE: NONE



10 SKYLIGHT LIGHT LEVEL SENSOR INSTALLATION — SCALE: NONE



11 OUTDOOR WEATHER STATION — SCALE: NONE

PERMIT SET: DECEMBER 21, 2015

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REVISIONS:

REVISION DELTA	REVISION DELTA CLOSING DATE

SHEET TITLE:
ENERGY MANAGEMENT LIGHTING/HVAC DETAILS

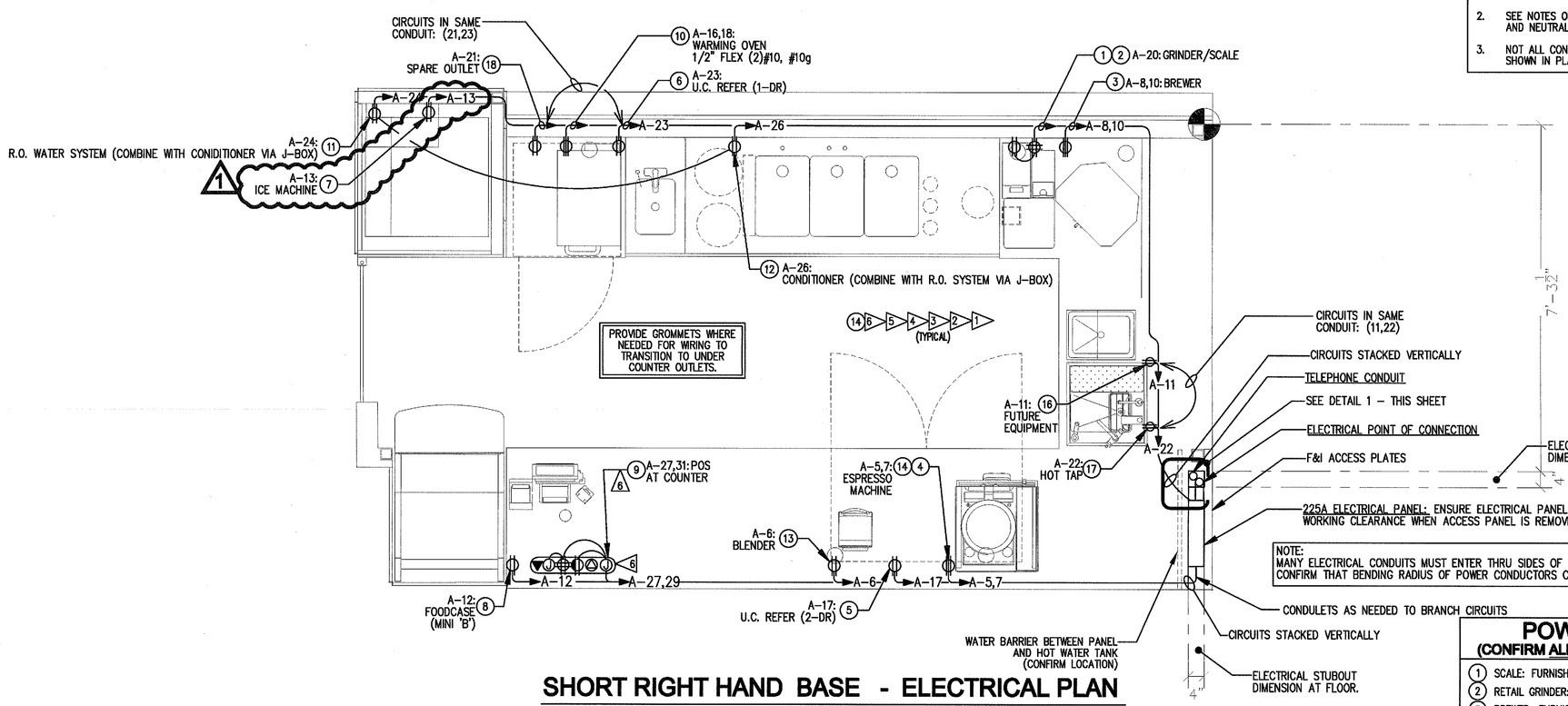
RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER

DRAWN BY:

CHECKED BY:

SHEET
EM8

JOB NO: 215034600.00



SHORT RIGHT HAND BASE - ELECTRICAL PLAN

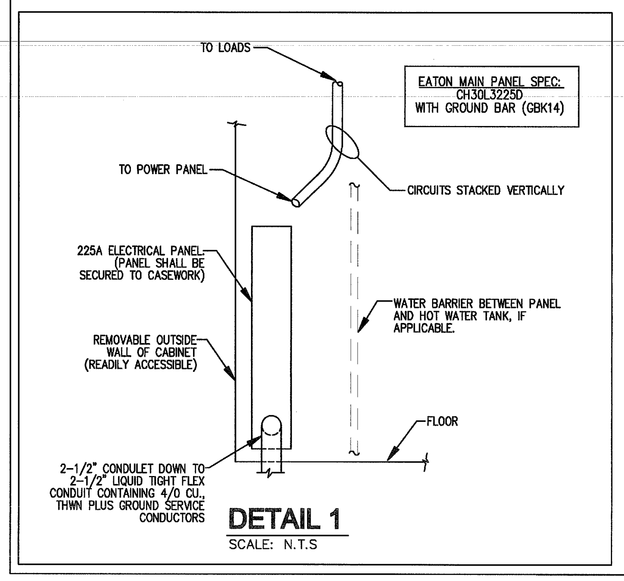
SCALE: 3/4"= 1'

0 1' 5'

NOTES:
1. WIRE AND CONDUITS QUANTITIES AND SIZES ARE NOT SHOWN. FURNISH & INSTALL PER CODE WITH DEDICATED NEUTRALS FOR ALL GFI BREAKER PROTECTED CIRCUITS (TO PREVENT FALSE TRIPS). IN ADDITION, FURNISH AND INSTALL GROUND WIRE IN ALL PVC CONDUITS. ALL IS NEW UNLESS NOTED OTHERWISE.
2. SEE NOTES ON PANEL SCHEDULE CONFIRMING GFI CIRCUITS AND NEUTRALS.
3. NOT ALL CONDUITS/CIRCUITS CALLED FOR IN NOTES ARE SHOWN IN PLAN VIEW.

RUN ALL CONDUITS IN PROVIDED CHASE (TYPICAL)

FURNISH AND INSTALL SEPARATE NEUTRALS FOR ALL GFI CIRCUITS TO PREVENT FALSE TRIPPING.



DETAIL 1

SCALE: N.T.S

POWER PLAN GENERAL NOTES

(A) FURNISH AND INSTALL A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
(B) ELECTRICAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
(C) DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.
(D) REFER TO DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
(E) THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.
(F) ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HVAC CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.
(G) ALL FUTURE EQUIPMENT NEEDED HEREIN SHALL BE PROVIDED WITH AN APPROPRIATE RECEPTACLE AND FULLY WIRED. EVEN IF NOT SPECIFICALLY INDICATED.

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

CONTRACTOR TO COORDINATE WITH STARBUCKS FOR COLOR OF OUTLETS, SWITCHES AND FACE PLATES

POWER PLAN FLAG NOTES

1. PROVIDE ALL BRANCH CIRCUITING AND DEVICES, EVEN IF NOT SHOWN. PROVIDE ALL WIRING AND WIRE QUANTITIES TO ACCOMPLISH CIRCUITING TO MEET SPEC REQUIREMENTS AND APPLICABLE CODES.
2. CONFIRM REQUIREMENTS. RUN ALL CONDUITS CONCEALED.
3. IF ANY CORD AND PLUG IS OBSTRUCTED BY CABINET PARTITIONS, PROVIDE ADDITIONAL OUTLET.
4. VERIFY ACTUAL RATINGS, OF CIRCUITS, BREAKERS AND CONNECTIONS IN FIELD.
5. CONFIRM VOLTAGE REQUIREMENTS FOR ALL EQUIPMENT. IF NEEDED THE CONTRACTOR SHALL PROVIDE AND INSTALL BUCK BOOST TRANSFORMERS TO BE LOCATED IN AN ACCESSIBLE LOCATION BELOW COUNTER WITHIN 6' OF THE ELECTRICAL PANEL. ACCEPTABLE TRANSFORMERS INCLUDE ACME. F&I ANY NEEDED ADDITIONAL O.C.P.
6. EACH MULTIWIRE BRANCH CIRCUIT SHALL BE FURNISHED AND INSTALLED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORGINIATES.

ABBREVIATIONS

AHJ	AUTHORITIES HAVING JURISDICTION.
F & I	FURNISH & INSTALL
UNO	UNLESS NOTED OTHERWISE

SYMBOLS

DUPLEX	SPECIAL PURPOSE OUTLET
QUADPLEX	JUNCTION BOX
DUPLEX DEDICATED ISOLATED	DATA
FUSED DISCONNECT (ALL NOT SHOWN)	TELEPHONE

POWER PLAN KEY NOTES
(CONFIRM ALL MOUNTING HEIGHT BEFORE INSTALLATION).

1. SCALE: FURNISH AND INSTALL RECEPTACLE @ 28" AFF (TO CENTER LINE- TYPICAL).
2. RETAIL GRINDER: FURNISH AND INSTALL RECEPTACLE @ 28" AFF.
3. BREWER: FURNISH AND INSTALL RECEPTACLE @ 28" AFF. CONFIRM BREAKER AND WIRE SIZE AND OUTLET REQUIREMENTS. CONTRACTOR TO PROVIDE A 40 AMP CORD CAP FOR THE BREWER, BRYANT OR EQUAL.(CONFIRM AMPERAGE).
4. FOR ESPRESSO MACHINE, FURNISH AND INSTALL NEMA 6-50R RECEPTACLE HUBBELL: HBL9367 SERIES OR EQUAL AT 28" AFF. ROUTE 3/4" CONDUIT- (2) #8 AND (1) #10 GROUND FROM MACHINE BACK TO PANEL. FURNISH AND INSTALL NEMA 6-50P ANGLED PLUG, HUBBELL HBL9368 SERIES OR EQUAL.
5. UNDERCOUNTER REFRIGERATOR-2 DOOR: FURNISH AND INSTALL RECEPTACLE @ 28" AFF.
6. UNDERCOUNTER REFRIGERATOR-1 DOOR: FURNISH AND INSTALL NEMA 5-15P RECEPTACLE AT 28" AFF.
7. ICE MACHINE (AIR COOLED): FURNISH AND INSTALL NEMA 5-20R RECEPTACLE @ 49.5" AFF. (CONFIRM MOUNTING HEIGHT).
8. FOODCASE (SELF-CONTAINED, MINI 'B'): FURNISH AND INSTALL NEMA 5-15P RECEPTACLE @ 28" AFF. (CONFIRM RECEPTACLE TYPE).
9. POS: FURNISH AND INSTALL DUPLEX ISOLATED-GROUNDING TYPE RECEPTACLE AT 28" AFF., INCLUDING GREEN GROUNDING WIRE AND ISOLATED GROUNDING WIRE BACK TO SERVING POWER PANEL PER CODE. FURNISH AND INSTALL (1) J-BOX FOR DATA OUTLET AND (1) J-BOX FOR PHONE OUTLET AT 18" AFF.
10. WARMING OVEN: FURNISH & INSTALL REQUIRED TYPE D CIRCUIT BREAKER AND RECEPTACLE @ 28" AFF WITH ALL NECESSARY CONDUIT, WIRE & CONNECTIONS BACK TO SERVING PANEL TO SUPPORT WARMING OVEN. (CONFIRM WIRE AND BREAKER SIZES).
11. R.O. WATER SYSTEM: FURNISH AND INSTALL @ 18" FROM R.O. SHELF BOTTOM.
12. CONDITIONER: FURNISH AND INSTALL RECEPTACLE (POWER) @ 28" AFF.
13. BLENDER: FURNISH AND INSTALL RECEPTACLES @ 28" AFF IN DUPLEX BOX.
14. CIRCUIT VOLTAGE SHALL BE AT VOLTAGE RECOMMENDED BY EQUIPMENT MANUFACTURERS. IF NEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL BUCK-BOOST TRANSFORMERS TO BE LOCATED IN ACCESSIBLE LOCATIONS BELOW COUNTER WITHIN 6' OF THE ELECTRICAL PANEL. ACCEPTABLE TRANSFORMERS INCLUDE ACME. FURNISH AND INSTALL ANY ADDITIONAL O.C.P. NEEDED.
15. NUMBER NOT USED.
16. FUTURE EQUIPMENT: FURNISH AND INSTALL RECEPTACLE @ 24" AFF.
17. HOT TAP: FURNISH AND INSTALL RECEPTACLE AT 28" AFF.
18. OPTIONAL CONVENIENCE RECEPTACLE: FURNISH AND INSTALL RECEPTACLE @ 28" AFF.

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SEATTLE, WASHINGTON 98134
(206) 318-1575

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KIRKLAND, WA 98033 aer123@aol..com

REV	DATE	DESCRIPTION
1	11.19.13	ICE MACHINE REVISIONS

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER VERSION 2

ORIG. ISSUE DATE: 09/03/13
CHECKED: JRB
DESIGNED: JRB
DRAWN: SLH
AER DATE ISSUED: 10-24-13

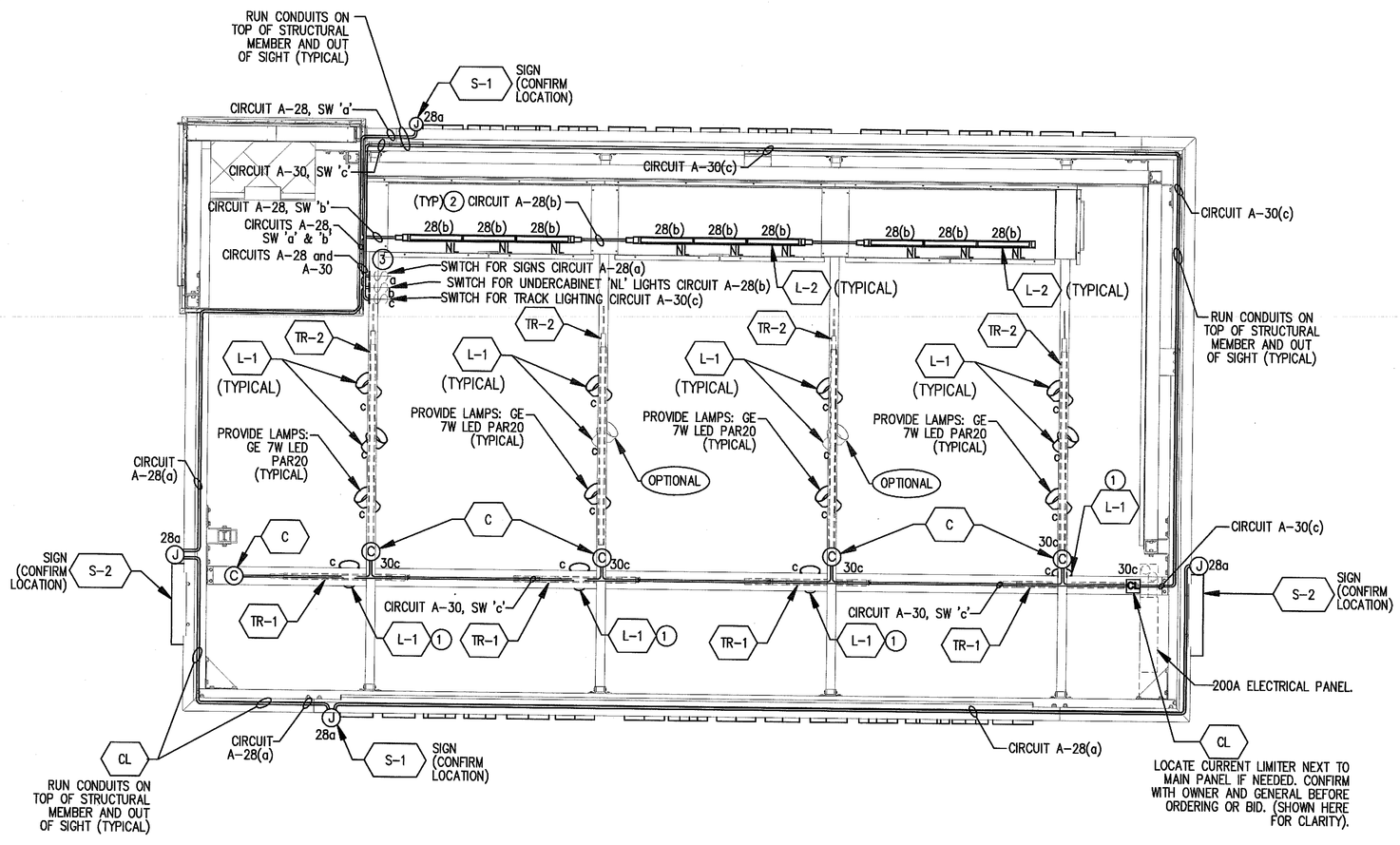
RECEIVED
DEC 23 2013
CITY OF KENT
PERMIT CENTER

SHEET TITLE
ELECTRICAL PLAN

SCALE:
(DO NOT SCALE DRAWINGS)

SHEET NUMBER
E-1

2011547



SHORT RIGHT HAND BASE - LIGHTING PLAN

SCALE: 3/4"= 1'

0 1' 5'

LIGHTING PLAN KEY NOTES

1. ADJUST FOCUS OF ALL TRACK AND RECESSED DIRECTIONAL LIGHTING TO FULLY ILLUMINATE ALL ARTWORK, MENU BOARDS, AND MERCH BAYS TO STARBUCKS SATISFACTION.
2. UNDERCABINET LIGHTING TO BE CIRCUITED SO THAT ALL OF THE LIGHTS ARE "NL".
3. RUN ALL CONDUITS CONCEALED IF POSSIBLE (TYPICAL).

LIGHTING PLAN GENERAL NOTES

- (A) PROVIDE A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
- (B) COORDINATE WITH GC AS TO WHOM IS TO PROVIDE ALL LIGHT FIXTURES AND LAMPS UNLESS NOTED OTHERWISE.
- (C) ELECTRICAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
- (D) REFER TO ARCHITECTURAL CASEWORK DETAILS FOR EXACT LOCATIONS OF LIGHT FIXUTRES LOCATED IN CASEWORK.
- (E) REFER TO ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS.
- (F) CONFIRM ALL QUANTITIES IN SCHEDULE WITH THOSE IN PLAN VIEW.
- (G) ALL IS NEW UNLESS NOTED OTHERWISE.

COMMISSIONING REQUIREMENTS

THE CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING CONTROLS THAT INCLUDE DAYLIGHT CONTROLS, AUTOMATIC SHUT-OFF CONTROLS, AND AUTOMATIC TIME SWITCHES WHERE NEEDED. TEST TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER AND STARBUCKS.

ENERGY CODE OPTION NOTE:
INSTALL ONLY FIXTURES THAT ARE SHOWN WITH DARK LINES UNLESS SPACE CAN BE CLASSIFIED AS FOOD PREP AREA AND IS EXEMPT FROM THE ENERGY CODE. IF CLASSIFIED AS EXEMPT, DELETE THE CURRENT LIMITER AND INCLUDE OPTIONAL FIXTURES.

IMPORTANT:
THE ONLY ITEMS ON CURRENT LIMITER SHALL BE TRACK LIGHTING.

BRANCH CIRCUIT CONNECTIONS TO PANEL ARE NOT SHOWN.

LIGHTING SCHEDULES: (INCLUDING OPTIONAL FIXTURES) XX-_

ITEM#	QTY	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	WATTS	AMPS	REMARKS	SKU #	SHIP
TRACK & TRACK FIXTURES										
L-1	14	TRACK FIXTURE-BLACK AVANT GARDE -FACET SERIES (w/7W LED LAMP)	JUNO TRAC-MASTER	T220BL	120	35-50W PAR20		GE 7W LED PAR20 LAMP -LED7PAR20B/L827/20 CONFIRM WITH STARBUCKS		
TR-1	4	TRACK BLACK 2'	JUNO TRAC-MASTER	T2BL	120					
TR-2	4	TRACK BLACK 4'	JUNO TRAC-MASTER	T4BL	120					
C	AS NEEDED	TRAC CONTINUATION KIT -BLACK	JUNO TRAC-MASTER	T49BL				2-T34 CONDUIT FEEDS (L & R). FITS STANDARD 1/2" CONDUIT.		
CL	1	CURRENT LIMITER - BREAKER AND ENCLOSURE			120	120	1 AMP			
FIXTURES										
L-2	9	12" UNDERCABINET LIGHT-LED			120	6.5 W				

SIGNAGE SCHEDULE: S-_

ITEM#	QTY	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	WATTS	AMPS	REMARKS
LOGOS								
S-1	2	STARBUCKS LETTERING 10" WORD MARK			120V (CONFIRM)		0.76A EACH	
S-2	2	STARBUCKS 18" LOGO DISC			120V (CONFIRM)		0.3 A EACH	

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

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KIRKLAND, WA 98033 AER123@AOL.COM

10/24/13

REV	DATE	DESCRIPTION
A	XX.XX.XX	XXXXXXX

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER

ORIG. ISSUE DATE: 09/03/13
CHECKED: JRB
DESIGNED: JRB
DRAWN: SLH
AER DATE ISSUED: 10-24-13

RECEIVED DEC 22 2015 CITY OF KENT PERMIT CENTER

SHEET TITLE
LIGHTING PLAN

SCALE:
(DO NOT SCALE DRAWINGS)

SHEET NUMBER E-2

PANEL 'A'

VOLTAGE: 208 V/120V 3PH, 4W
FED FROM: CONFIRM WITH LANDLORD
BUS: 225 AMP

MAIN LUGS ONLY: 225A
AIC RATING: EXCEED AVAILABLE
LOCATION: KIOSK

NOTES	SERVES	TYPE LOAD	CKT BRKR AMP	CKT POLE	CKT NO.	CKT LOAD	PHASE LOADS A	PHASE LOADS B	PHASE LOADS C	CKT LOAD	CKT NO.	CKT BRKR AMP	CKT POLE	TYPE LOAD	SERVES	NOTES
	SPARE		100	2	1		0				2	20	1		SPARE	
					3			0			4	20	1		SPARE	
	ESPRESSO MACHINE	K	40	2	5	3,328			4,888	1,560	6	20	1	K	BLENDER	GFI
		K			7	3,328	7,072			3,744	8	40	2	K	BREWER	
	SPARE		20	1	9			3,744		3,744	10			K		
GFI	FUTURE EQUIPMENT	K	20	1	11	1,000			2,398	1,398	12	20	1	K	FOODCASE (SELF-CONTAINED) MINI 'B'	GFI
GFI	ICE MACHINE	K	20	1	13	1,920	1,920				14	20	1		SPARE	
	SPARE		20	1	15			2,496		2,496	16	30	2	K	WARMING OVEN	
GFI	UNDERCOUNTER REFER - 2 DOOR	K	15	1	17	600			3,096	2,496	18			K		
GFI	SPARE		20	1	19		1,080			1,080	20	20	1	K	GRINDER/SCALE	GFI
GFI	SPARE OUTLET	R	20	1	21	180		1,480		1,300	22	20	1	K	HOT TAP	GFI
GFI	UNDERCOUNTER REFER - 1 DOOR	K	15	1	23	840			1,200	360	24	15	1	R	WATER FILTER SYSTEM - R.O. SYSTEM	GFI
GFI	SPARE		20	1	25		360			360	26	15	1	R	WATER FILTER SYSTEM - CONDITIONER	GFI
GFI	POS EQUIPMENT @ FRONT COUNTER	NC	20	1	27	900		1,000		100	28	20	1	L	LIGHTING - UNDERCABINET	
GFI	POS MISCELLANEOUS @ FRONT COUNTER	NC	20	1	29	600			720	120	30	20	1	L	LIGHTING - TRACK (CURRENT LIMITING)	
						PHASE CONNECTED WATTS =	10,432	8,720	12,302							
						PHASE CONNECTED AMPS =	87	73	103							

	CONN. KVA	DEMAND FACTOR		DEMAND KVA	
TOTAL KITCHEN LOAD	= 28.83	X 0.65	=	18.74	
TOTAL LIGHTING LOAD	= 0.22	X 1.25	=	0.28	
TOTAL NON-CONT. LOAD	= 1.50	X 1.0	=	1.50	
TOTAL RECEPTACLE LOAD	= 0.90	X 1.0	=	0.90	UNDER 10KW
TOTAL CONTINUOUS LOAD	= 0.00	X 1.25	=	0.00	
TOTAL HVAC LOAD	= 0.00	X 1.0	=	0.00	
LARGEST MOTOR LOAD	= 0.00	X 1.25	=	0.00	
TOTAL KVA	= 31.5		=	21.4	
	CONN. AMPS			DEMAND AMPS	
TOTAL AMPS	= 87		=	60	@208V/120V 3PH, 4W

LOAD TYPE KEY:
K = KITCHEN LOAD
L = LIGHTING LOAD
NC = NON-CONTINUOUS LOAD
R = RECEPTACLE LOAD
CL = CONTINUOUS LOAD
H = HVAC LOAD
LM = LARGEST MOTOR LOAD

NOTES:
GFI - F&I GFI BREAKERS AND DEDICATED NEUTRALS FOR THESE CIRCUITS TO PREVENT FALSE TRIPPING. EQUIPMENT AIC RATINGS SHALL EXCEED THE AVAILABLE FAULT CURRENT. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO CONSTRUCTION. SYSTEM SHALL BE SERIES RATED IF NECESSARY TO LIMIT SHORT CIRCUIT CURRENT TO BELOW 22,000 AIC (FOR GFI BREAKERS). COORDINATE WITH LANDLORD.

PANEL SCHEDULE 'A'
N.T.S.

STARBUCKS SERVICE SUMMARY LOAD

DESCRIPTION		CONNECTED KVA		DEMAND FACTOR		DEMAND KVA
TOTAL KITCHEN LOAD	=	28.8	X	0.65	=	18.7
TOTAL LIGHTING LOAD	=	0.2	X	1.25	=	0.3
TOTAL NON-CONT. LOAD	=	1.5	X	1.00	=	1.5
TOTAL RECEPTACLE LOAD	=	0.9	X	1.00	=	0.9
LARGEST MOTOR LOAD	=	0.0	X	1.25	=	0.0
TOTAL CONT. LOAD	=	0.0	X	1.25	=	0.0
TOTAL HVAC LOAD	=	0.0	X	1.00	=	0.0
TOTAL KVA =		31.5			=	21.4
TOTAL AMPS =		87.4			=	59.5
(@208V/120V 3-PHASE, 4WIRE)						

LOAD SUMMARY
N.T.S.

NOTE: A DEDICATED KWH METER SHALL BE F&I IN THE STORE (NOT IN KIOSK) TO METER STARBUCKS POWER CONSUMPTION.

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

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KIRKLAND, WA 98033 AER23@AOL.COM

REV	DATE	DESCRIPTION
1	11.19.13	ICE MACHINE REVISIONS

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER VERSION 2-30 SPACE

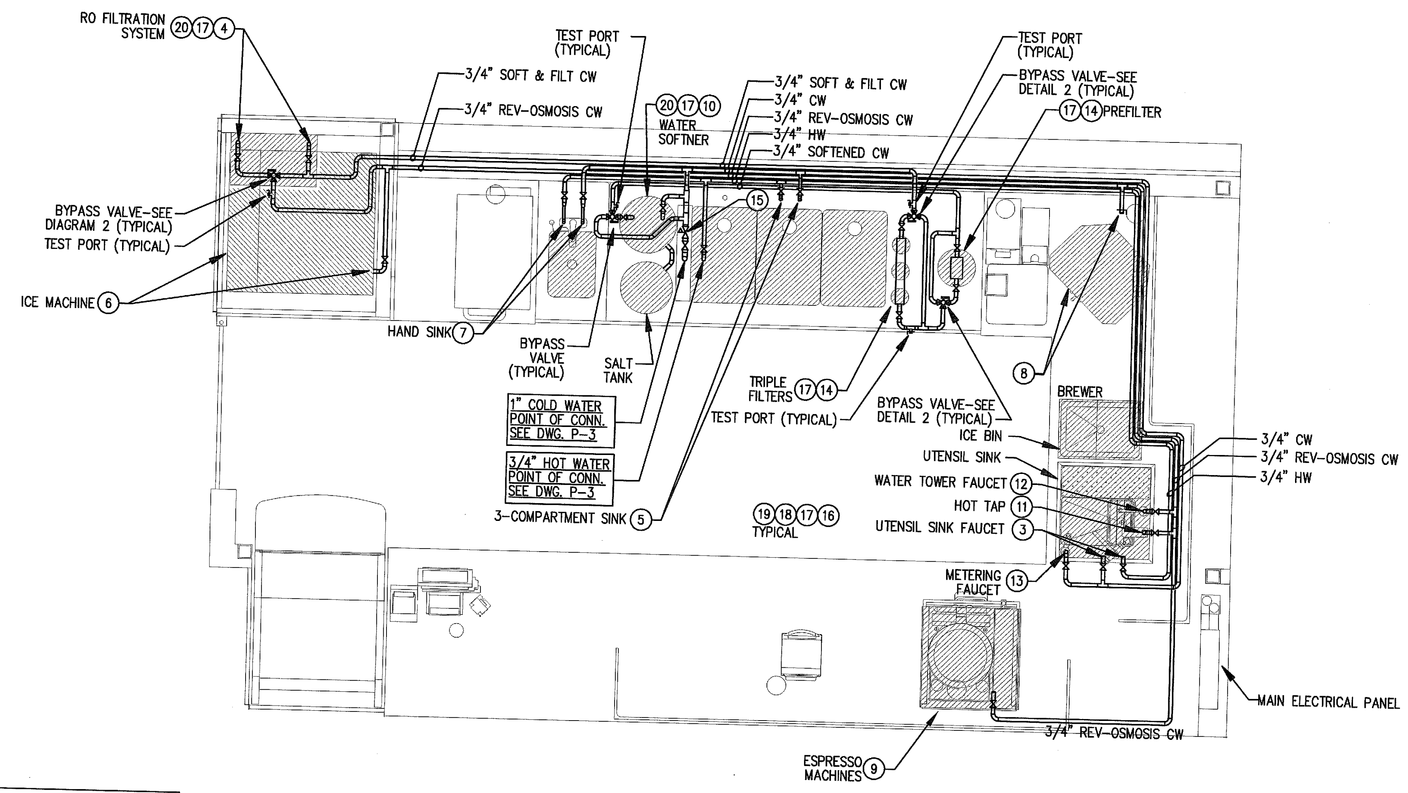
RECEIVED
DEC 22 2015
CITY OF RENT
PERMIT CENTER

ORIG. ISSUE DATE: 09/23/13
CHECKED: JRB
DESIGNED: JRB
DRAWN: SLH
AER DATE ISSUED: 10-24-13

SHEET TITLE
PANEL SCHEDULE & DETAIL

SCALE:
(DO NOT SCALE DRAWINGS)

SHEET NUMBER
E-3



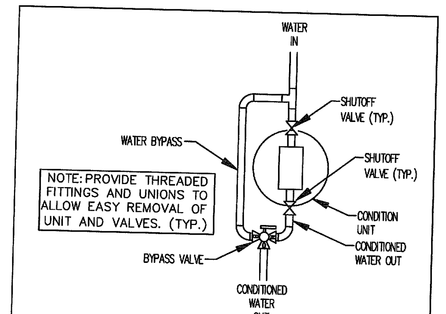
CONDITIONED WATER: EITHER R.O., FILTERED OR SOFTENED PER RECOMMENDATION OF FILTER MANUFACTURER & STARBUCKS.

SHORT RIGHT HAND BASE - PLUMBING SUPPLY PLAN

SCALE: 3/4"= 1'

0 1' 5'

ALL PIPING SHALL BE PEX IF ALLOWED BY AHJ. CONFIRM WITH GENERAL.



NOTE: PROVIDE THREADED FITTINGS AND UNIONS TO ALLOW EASY REMOVAL OF UNIT AND VALVES. (TYP.)

(1) BYPASS PIPING DIAGRAM
NTS

ABBREVIATIONS

AHJ	AUTHORITIES HAVING JURISDICTION.
F & I	FURNISH & INSTALL
UNO	UNLESS NOTED OTHERWISE
NNU	NUMBER NOT USED

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

PLUMBING GENERAL NOTES

(A) F&I A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.

(B) PLUMBING CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.

(C) COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL PLUMBING EQUIPMENT.

(D) DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.

(E) REFER TO DETAIL SHEETS FOR PLUMBING FITTINGS LOCATED IN CASEWORK.

(F) COLD WATER SUPPLY LINES INSIDE CASEWORK & BAR AREA TO BE COVERED WITH 1/2" THICK SELF SEALING, SECTIONAL CLOSED-CELL FOAM INSULATION. REFER TO AHJ FOR HOT WATER SUPPLY LINE INSULATION REQUIREMENTS.

(G) CONTRACTOR SHALL CONTACT WATER FILTER SUPPLIER 10 DAYS (MINIMUM) BEFORE THE TIME THAT THE FILTER SYSTEM IS TO BE STARTED UP.

(H) STOP VALVES SHALL BE F&I AT ALL PLUMBING FIXTURES EVEN IF NOT SHOWN IN PLAN.

(I) RUN ALL PIPING CONCEALED.

PLUMBING KEY NOTES

(1) NNU

(2) NNU

(3) UTENSIL SINK FAUCET: 3/4" HW & CW IN. REDUCE PIPING AT UNIT.

(4) REVERSE OSMOSIS UNIT: 3/4" SOFTENED & FILTERED CW WATER TO & 3/4" R.O. FROM. REDUCE PIPING AT UNIT. PLUMBING CONTRACTOR TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ACTIVATION PROCEDURES FOR UNIT. INSTALL ASSEMBLY ON WALL.

(5) 3-COMPARTMENT SINK: 3/4" HW & CW TO FAUCET & SPRAY. CAULK AND SEAL BACK OF SINK TO WALL.

(6) ICE MACHINE: 3/4" TREATED CW WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY WATER SERVICE REQUIRED CONDITIONING.

(7) HANDSINK: 1/2" HW & CW IN.

(8) COFFEE BREWER(S): 3/4" TREATED WATER TO UNIT(S). INSTALL SHUT-OFF IN CABINET @24" AFF. VERIFY WATER SERVICE REQUIRED CONDITIONING (R.O./FILTERED/SOFT) WITH FILTER MANUFACTURER.

(9) ESPRESSO MACHINE: 3/4" TREATED WATER TO UNIT. CONNECT 3/8" BRAIDED STAINLESS STEEL HOSE FROM SHUT-OFF TO ESPRESSO MACHINE WATER INLET. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(10) WATER SOFTNER: 3/4" CW WATER TO UNIT, 3/4" SOFTENED CW OUT. REDUCE PIPING AT UNIT. PIPE UNIT AND SALT TANK PER MANUFACTURER RECOMENDATIONS.

(11) HOT TAP: 3/4" TREATED WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(12) WATER TOWER FAUCET: 3/4" TREATED WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(13) METERING FAUCET: 3/4" CW WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(14) PREFILTER & FINAL FILTER (QUAD): 3/4" SOFT FILTERED CW WATER TO PREFILTER, THEN ON TO FINAL FILTERS. PIPE BOTH UNITS WITH A BYPASS FOR FILTER CHANGE OUT. REDUCE PIPING AT UNITS.

(15) PRESSURE REGULATOR: FURNISH AND INSTALL IF PRESSURE EXCEEDS 65 PSI WITHIN STARBUCKS SPACE.

(16) VERIFY WITH LOCAL INSPECTOR (AHJ) IF BACKFLOW PREVENTERS ARE REQUIRED FOR EQUIPMENT & MAIN WATER SERVICE TO KIOSK, BEFORE BID. REQUIRED BACKFLOW PREVENTERS SHALL BE FURNISHED, INSTALLED, & INSPECTED PER CODE & AHJ (NOT NECESSARILY SHOWN).

(17) CONFIRM PIPING CONNECTIONS TO ALL WATER TREATMENT SYSTEMS (LAURENCE.PINKERTON@PENTAIR.COM, CONTACT@ 310-292-9080)

(18) PROVIDE THREADED FITTINGS AND UNIONS SO BYPASS PIPING AND EQUIPMENT CAN BE REMOVED IN THE FUTURE FOR REPAIR.

(19) RUN ALL PIPING CONCEALED (TYP).

(20) PROVIDE & INSTALL WATER SOFTNER AND/OR REVERSE OSMOSIS (RO) UNITS WHERE WATER CONDITIONS REQUIRE TREATMENT. PROVIDE PIPING AND VALVES IN ALL CONDITIONS SO UNITS MAY BE ADDED IN THE FUTURE.

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KIRKLAND, WA 98033 AER123@AOL.COM

10/24/13

REV	DATE	DESCRIPTION
A	XX.XX.XX	XXXXXXX

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER -PEX

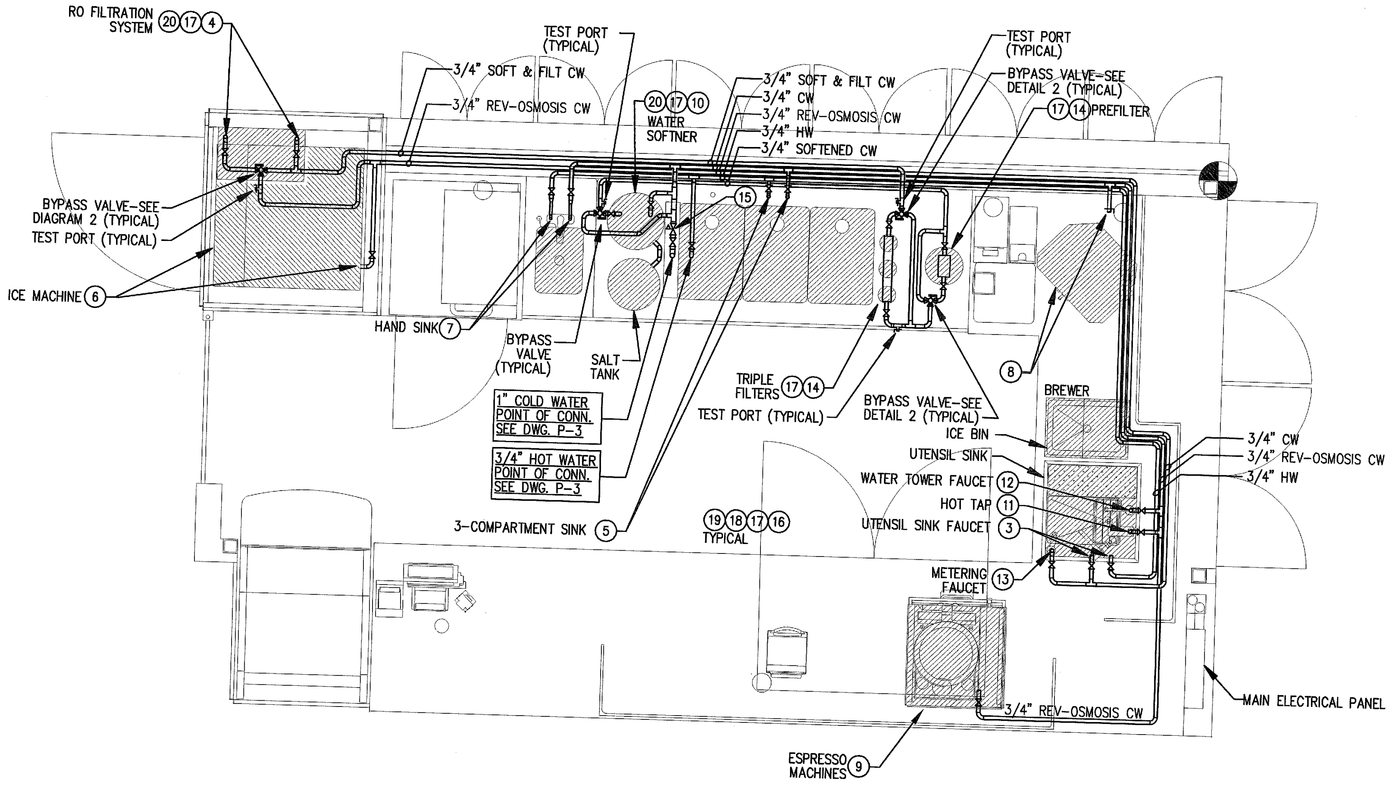
ORIG. ISSUE DATE: 09/03/13
CHECKED: JRB
DESIGNED: GJD
DRAWN: GJD
AER DATE ISSUED: 10-24-13

RECEIVED DEC 23 2013 CITY OF KENT PERMIT CENTER

SHEET TITLE
PLUMBING SUPPLY PLAN

SCALE:
(DO NOT SCALE DRAWINGS)

SHEET NUMBER
P-1



SHORT RIGHT HAND BASE - PLUMBING SUPPLY PLAN

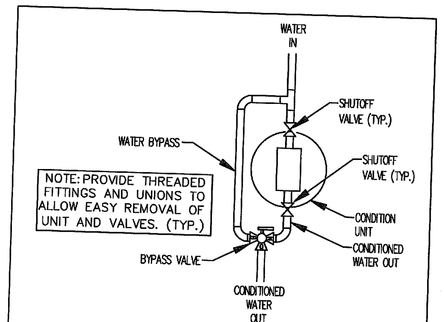
SCALE: 3/4"= 1'

0 1' 5'

CONDITIONED WATER: EITHER R.O., FILTERED OR SOFTENED PER RECOMMENDATION OF FILTER MANUFACTURER & STARBUCKS.

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

ALL PIPING SHALL BE COPPER IF REQUIRED BY AHJ. CONFIRM WITH GENERAL.



NOTE: PROVIDE THREADED FITTINGS AND UNIONS TO ALLOW EASY REMOVAL OF UNIT AND VALVES. (TYP.)

(1) BYPASS PIPING DIAGRAM

NTS

ABBREVIATIONS

AHJ	AUTHORITIES HAVING JURISDICTION.
F & I	FURNISH & INSTALL
UNO	UNLESS NOTED OTHERWISE
NNU	NUMBER NOT USED

PLUMBING GENERAL NOTES

(A) F&I A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.

(B) PLUMBING CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.

(C) COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL PLUMBING EQUIPMENT.

(D) DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.

(E) REFER TO DETAIL SHEETS FOR PLUMBING FITTINGS LOCATED IN CASEWORK.

(F) COLD WATER SUPPLY LINES INSIDE CASEWORK & BAR AREA TO BE COVERED WITH 1/2" THICK SELF SEALING, SECTIONAL CLOSED-CELL FOAM INSULATION. REFER TO AHJ FOR HOT WATER SUPPLY LINE INSULATION REQUIREMENTS.

(G) CONTRACTOR SHALL CONTACT WATER FILTER SUPPLIER 10 DAYS (MINIMUM) BEFORE THE TIME THAT THE FILTER SYSTEM IS TO BE STARTED UP.

(H) STOP VALVES SHALL BE F&I AT ALL PLUMBING FIXTURES EVEN IF NOT SHOWN IN PLAN.

(I) RUN ALL PIPING CONCEALED.

PLUMBING KEY NOTES

(1) NNU

(2) NNU

(3) UTENSIL SINK FAUCET: 3/4" HW & CW IN. REDUCE PIPING AT UNIT.

(4) REVERSE OSMOSIS UNIT: 3/4" SOFTENED & FILTERED CW WATER TO & 3/4" R.O. FROM. REDUCE PIPING AT UNIT. PLUMBING CONTRACTOR TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ACTIVATION PROCEDURES FOR UNIT. INSTALL ASSEMBLY ON WALL.

(5) 3-COMPARTMENT SINK: 3/4" HW & CW TO FAUCET & SPRAY. CAULK AND SEAL BACK OF SINK TO WALL.

(6) ICE MACHINE: 3/4" TREATED CW WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY WATER SERVICE REQUIRED CONDITIONING.

(7) HANDSINK: 1/2" HW & CW IN.

(8) COFFEE BREWER(S): 3/4" TREATED WATER TO UNIT(S). INSTALL SHUT-OFF IN CABINET @24" AFF. VERIFY WATER SERVICE REQUIRED CONDITIONING (R.O./FILTERED/SOFT) WITH FILTER MANUFACTURER.

(9) ESPRESSO MACHINE: 3/4" TREATED WATER TO UNIT. CONNECT 3/8" BRAIDED STAINLESS STEEL HOSE FROM SHUT-OFF TO ESPRESSO MACHINE WATER INLET. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(10) WATER SOFTNER: 3/4" CW WATER TO UNIT, 3/4" SOFTENED CW OUT. REDUCE PIPING AT UNIT. PIPE UNIT AND SALT TANK PER MANUFACTURER RECOMENDATIONS.

(11) HOT TAP: 3/4" TREATED WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(12) WATER TOWER FAUCET: 3/4" TREATED WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(13) METERING FAUCET: 3/4" CW WATER TO UNIT. REDUCE PIPING AT UNIT. VERIFY REQUIRED CONDITIONING (RO/FILTERED/SOFT) WITH FILTER MANUFACTURER.

(14) PREFILTER & FINAL FILTER (QUAD): 3/4" SOFT FILTERED CW WATER TO PREFILTER, THEN ON TO FINAL FILTERS. PIPE BOTH UNITS WITH A BYPASS FOR FILTER CHANGE OUT. REDUCE PIPING AT UNITS.

(15) PRESSURE REGULATOR: FURNISH AND INSTALL IF PRESSURE EXCEEDS 65 PSI WITHIN STARBUCKS SPACE.

(16) VERIFY WITH LOCAL INSPECTOR (AHJ) IF BACKFLOW PREVENTERS ARE REQUIRED FOR EQUIPMENT & MAIN WATER SERVICE TO KIOSK, BEFORE BID. REQUIRED BACKFLOW PREVENTERS SHALL BE FURNISHED, INSTALLED, & INSPECTED PER CODE & AHJ (NOT NECESSARILY SHOWN).

(17) CONFIRM PIPING CONNECTIONS TO ALL WATER TREATMENT SYSTEMS (LAURENCE.PINKERTON@PENTAIR.COM, CONTACT@ 310-292-9080)

(18) PROVIDE THREADED FITTINGS AND UNIONS SO BYPASS PIPING AND EQUIPMENT CAN BE REMOVED IN THE FUTURE FOR REPAIR.

(19) RUN ALL PIPING CONCEALED (TYP).

(20) PROVIDE & INSTALL WATER SOFTNER AND/OR REVERSE OSMOSIS (RO) UNITS WHERE WATER CONDITIONS REQUIRE TREATMENT. PROVIDE PIPING AND VALVES IN ALL CONDITIONS SO UNITS MAY BE ADDDED IN THE FUTURE.

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KIRKLAND, WA 98033 AER123@AOL.COM

10/24/13

REV	DATE	DESCRIPTION
1	XX.XX.XX	XXXXXXX

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER -CU.

ORIG. ISSUE DATE: 09/03/13
CHECKED: JRB
DESIGNED: GJD
DRAWN: GJD
AER DATE ISSUED: 10-24-13

RECEIVED DEC 22 2013 CITY OF KENT PERMIT CENTER

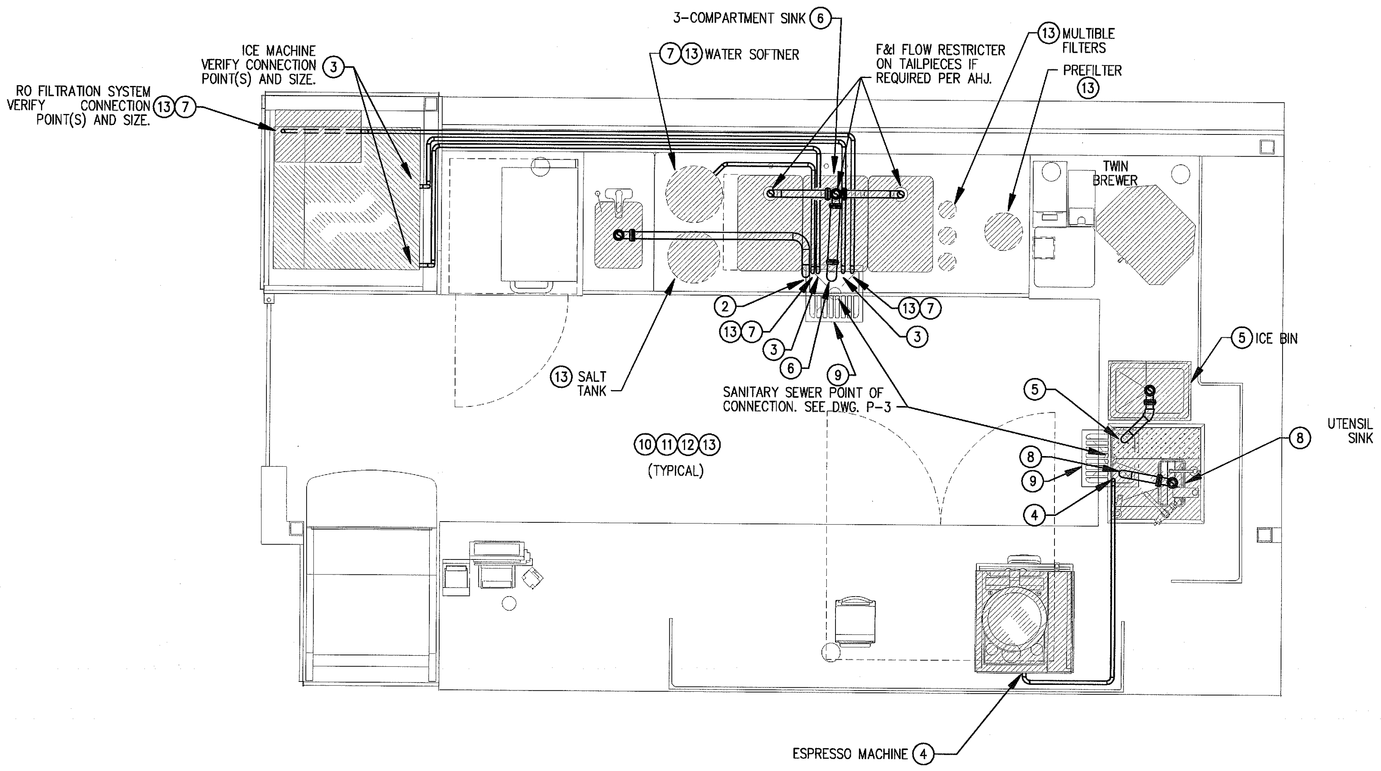
SHEET TITLE

PLUMBING SUPPLY PLAN

SCALE: (DO NOT SCALE DRAWINGS)

SHEET NUMBER P-1A

1145567



SHORT RIGHT HAND BASE - SANITARY PLAN

SCALE: 3/4"= 1'

0 1' 5'

KEY NOTES:

1. NNU
2. HAND SINK: F&I 1-1/2" DRAIN PIPE INDIRECT TO FLOOR SINK.
3. ICE MACHINE: F&I (2) SEPERATE 3/4" INSULATED DRAINS INDIRECT TO FLOOR SINK. DO NOT INTERCONNECT LINES.
4. ESPRESSO MACHINE(S): F&I 3/4" PIPE FROM DRAIN TRAY(S) INDIRECT TO FLOOR SINK. PROVIDE THREADED DRAIN TRAY PIPE COUPLING.
5. ICE BIN: F&I 1-1/2" INSULATED DRAIN PIPE INDIRECT TO FLOOR SINK.
6. 3-COMPARTMENT SINK: F&I 1-1/2" DRAIN PIPE ASSEMBLY INDIRECT TO FLOOR SINK.
7. WATER FILTER/CONIDITIONER EQUIPMENT: F&I 3/4" PIPE INDIRECT TO FLOOR SINK.
8. UTENSIL SINK: F&I 1-1/2" DRAIN PIPE INDIRECT TO FLOOR SINK.
9. FLOOR SINK: CONTRACTOR SHALL F&I 3" FLOOR SINK (AND ALL ASSOCIATED PIPING, INCLUDING P-TRAP, VENT & WASTE PIPING) AND CONNECT TO SANITARY & VENT PIPING PER AHJ.
10. BACKFLOW PREVENTERS: F&I WHEN REQUIRED BY AHJ. F&I ANY NEEDED PIPING FROM BACKFLOW DEVICE DRAINS INDIRECT TO FLOOR SINKS (TYP)(NOT SHOWN).
11. ALL SINK TAIL PIECIES TO BE TYPE ABS UP TO AND INCLUDING THREADED COUPLING TO BASKET STRAINERS AT ALL SINKS.
12. F&I ADDITIONAL PIPING INDIRECT TO DRAINS AS NEEDED (NOT SHOWN).
13. CONFIRM PIPING WITH LAURENCE.PINKERTON@PENTAIR.COM CONTACT@ 310-292-9080

GENERAL NOTES:

- (A) F&I A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
- (B) FOR FULL SCHEDULES AND COMPLETE LISTING SEE SCHEDULES. CONFIRM ALL QUANTITIES WITH PLAN.
- (C) PLUMBING CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
- (D) COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL PLUMBING EQUIPMENT.
- (E) DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
- (F) ALL INDIRECT DRAIN LINES SHALL BE ROUTED WITHOUT DIPS OR SAGS TO TERMINATE WITH AN AIR GAP INTO AN APPROVED INDIRECT WASTE RECEPTOR.
- (G) REFER TO DETAILS FOR FURTHER REQUIREMENTS.

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

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JOHN R. BEEBE — EXPIRES 10/24/13

REV	DATE	DESCRIPTION
A	XX.XX.XX	XXXXXXX

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER

ORIG. ISSUE DATE: 09/03/13
CHECKED: JRB
DESIGNED: GJD
DRAWN: GJD
AER DATE ISSUED: 10-24-13

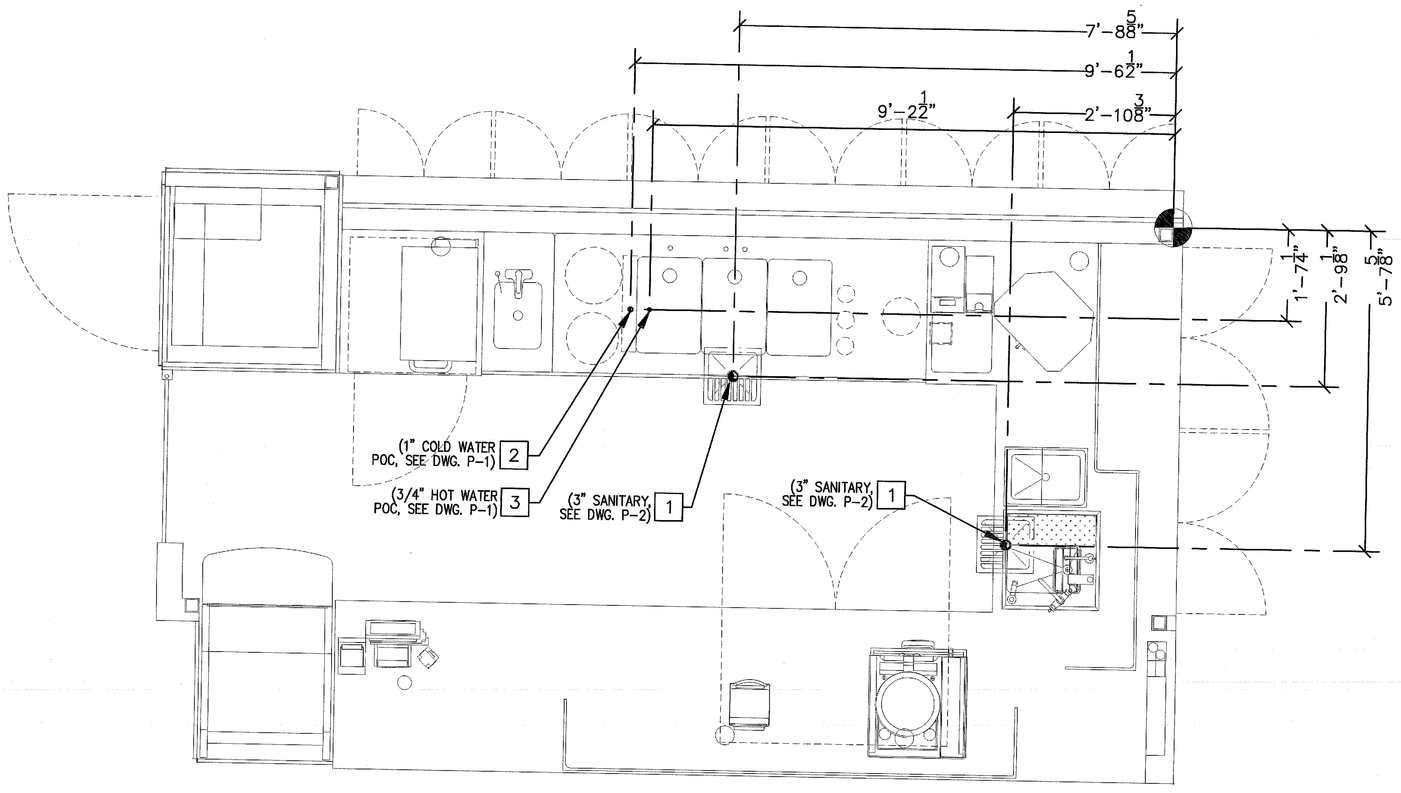
RECEIVED
DEC 23 2013
CITY OF KENT
PERMIT CENTER

SHEET TITLE
PLUMBING SANITARY PLAN

SCALE:
(DO NOT SCALE DRAWINGS)

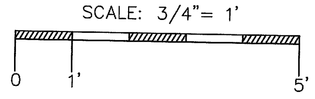
SHEET NUMBER
P-2

2154547



SHORT RIGHT HAND BASE - PLUMBING FOUNDATION PLAN

SCALE: 3/4"= 1'



KEY NOTE

1. CONTRACTOR SHALL FURNISH AND INSTALL FLOOR SINK AND ALL ASSOCIATED PIPING (WASTE, TRAP AND VENT) AND CONNECT TO BUILDING SANITARY SEWER AND VENT PIPING FOR A COMPLETE AND OPERATING SYSTEM PER AHJ. VERIFY ALL MEASUREMENTS, LOCATIONS AND EQUIPMENT SPECIFICATIONS WITH GENERAL CONTRACTOR.
2. CONTRACTOR SHALL FURNISH AND INSTALL 1" CW SERVICE STUBUP. VERIFY ALL MEASUREMENTS AND LOCATIONS WITH GENERAL CONTRACTOR.
3. CONTRACTOR SHALL FURNISH AND INSTALL 3/4" HW SERVICE STUBUP. UNDERGROUND PIPING TO BE INSULATED PER AHJ. VERIFY ALL MEASUREMENTS AND LOCATIONS WITH GENERAL CONTRACTOR.

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

CONTRACTOR TO COORDINATE WITH STARBUCKS FOR COLOR OF OUTLETS, SWITCHES AND FACE PLATES

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KIRKLAND, WA 98033 AER25@AOL.COM

JOHN R. BEERS — STATE OF WASHINGTON — 19003 — REGISTERED PROFESSIONAL ENGINEER
10/24/13

REV	DATE	DESCRIPTION
1	XX.XX.XX	XXXXXXX

STARBUCKS COFFEE KIOSK INTERIOR SHORT BASE-RIGHT HAND REMOTE HOT WATER

ORIG. ISSUE DATE:	09/03/13
CHECKED:	JRB
DESIGNED:	GJD
DRAWN:	GJD
AER DATE ISSUED:	10-24-13

SHEET TITLE
PLUMBING FOUNDATION PLAN

SCALE:
(DO NOT SCALE DRAWINGS)

SHEET NUMBER
P-3

RECEIVED
DEC 22 2015
CITY OF KENT
PERMIT CENTER